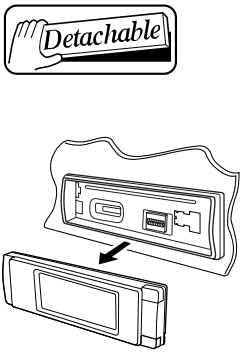
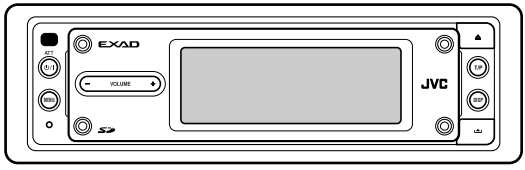
ENGLISH

FRANÇAIS

CD/SD RECEIVER
RECEPTEUR CD/SD

KD-LHX552/KD-LHX551





EXAD

SD PICT R·D·S COMPACT disc DIGITAL AUDIO TEXT

For canceling the display demonstration, see page 8.
Pour annuler la démonstration des affichages, référez-vous à la page 8.

For installation and connections, refer to the separate manual.
Pour l'installation et les raccordements, se référer au manuel séparé.

INSTRUCTIONS
MANUEL D'INSTRUCTIONS

GET0284-003A
[EX/EU]

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**ADVARSEL :** Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	**VARNING :** Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	**VARO :** Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)

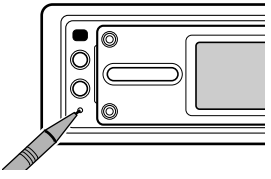
Warning:

If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

Cautions:

- Do not operate the touch panel using a ball-point pen or a similar tool with the sharp tip (it may damage the touch panel).
- If the temperature inside the car is below 0°C, the movement of animation and text scroll will be halted on the display to prevent the display from being blurred. LOW TEMP appears on the display. When the temperature increases, and the operating temperature is resumed, these functions will start working again.

How to reset your unit

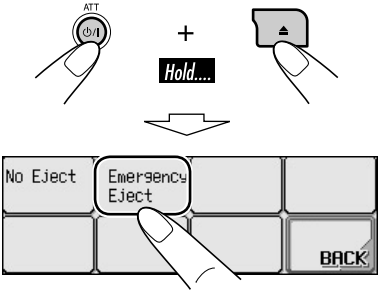


This will reset the microcomputer. Your preset adjustments will also be erased.

How to forcibly eject a disc

If a disc cannot be recognized by the receiver or cannot be ejected, ejects the disc as follows.

- If an SD card is inserted, ejects the SD card first (see page 18).



- *If this does not work, reset your receiver.*
- *Be careful not to drop the disc when it ejects.*

Note: Only for [EX] model users in UK and European countries

For security reasons, a numbered ID card is provided with this receiver, and the same ID number is imprinted on the receiver's chassis. Keep the card in a safe place, as it will help the authorities to identify your receiver if stolen.

Contents

How to reset your unit 2
How to forcibly eject a disc 2
How to read this manual 4
How to change the display pattern during playback 4

Control panel — KD-LHX552/KD-LHX551 5
Parts identification 5

Remote controller — RM-RK300 6
Main elements and features 6

Getting started 7
Basic operations 7
Canceling the display demonstrations ... 8
Setting the clock 8

Radio operations 9
Listening to the radio 9
Storing stations in memory 10
Listening to a preset station 11

FM RDS operations 12
Searching for your favorite FM RDS programme 12
Storing your favorite programmes 13
Using the standby receptions 13
Tracking the same programme —Network-Tracking Reception 14
Using the message service —RDS Radiotext (RT) 15

Disc/SD card operations 16
Playing a disc in the receiver 16
Playing discs in the CD changer 17
Playing an SD card 18
Other main functions 20
Selecting the playback modes 23

Sound adjustments 24
Setting the basic sound selection menu—SEL 24
Selecting preset sound modes (i-EQ: intelligent equalizer) 25
Storing your own sound modes 25

Graphic displays 26
Basic procedure 26
Downloading the files 26
Deleting the files 27
Activating the downloaded files 29

General settings — PSM 30
Basic procedure 30
Selecting the dimmer mode 35
Changing the display color 35

Other main functions 37
Assigning titles to the sources 37
Changing the control panel angle 38
Detaching the control panel 38

External component operations 39

DAB tuner operations 40
Listening to the DAB tuner 40
Storing DAB services in memory 42
Tuning in to a preset DAB service 42
Using the standby reception 43
Tracing the same programme —Alternative Reception 44

Maintenance 45

More about this receiver 46

Troubleshooting 50

Specifications 53

ENGLISH

***For safety....**

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

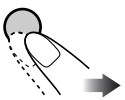
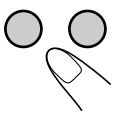
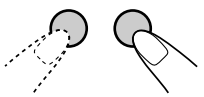
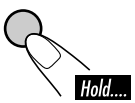
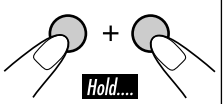
***Temperature inside the car....**

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

How to read this manual

The following methods are used to made the explanations simple and easy-to-understand:

- Some related tips and notes are explained in "More about this receiver" (see pages 46 – 49).
- Button and touch panel operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

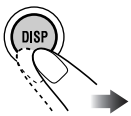
The following marks are used to indicate...

: Built-in CD player operations.

: External CD changer operations.

: SD player operations.

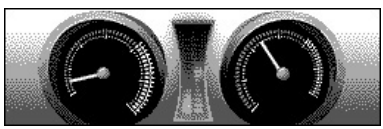
How to change the display pattern during playback

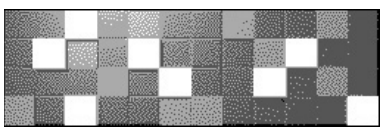


Source operation screen

RDS Radiotext (RT) or DLS screen is shown when the source is "TUNER" or "DAB" (see pages 15 and 44)*.

Clock time is enlarged.





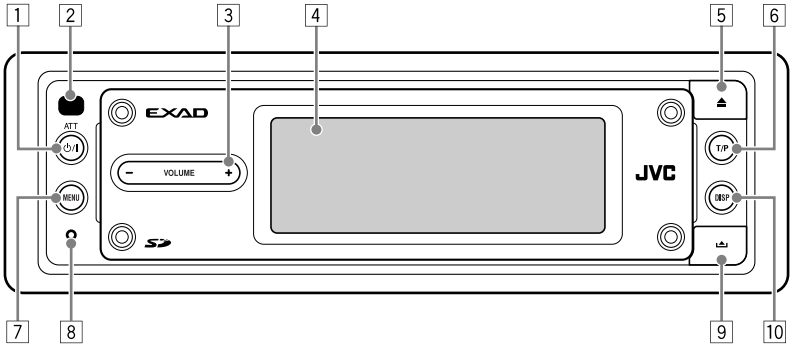
Audio Level Meters*
(see "Theme" on page 32)

Graphic screen* appears only after you have downloaded a file, see pages 26 – 29.

** These screens will be temporarily canceled when you operate the receiver.*

Control panel — KD-LHX552/KD-LHX551

Parts identification



1 ⏻/I ATT (standby/on attenuator) button
2 Remote sensor
   • *DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).*
3 VOLUME + / – button
4 Touch panel
5 ⏏ (eject) button
6 T/P (traffic programme/programme type) button
7 MENU button
8 Reset button
9 ⏏ (control panel release) button
10 DISP (display) button

Main touch panels

• Make sure to touch the area inside the key icon boundary when operating the touch panel.

Source Selection Screen

Either “CD-CH” or “EXT-IN” appears depending on the “Ext Input” setting (see page 34).

If the source is not ready, you cannot select the source. Key icon appears as negative pattern.

Main Menu

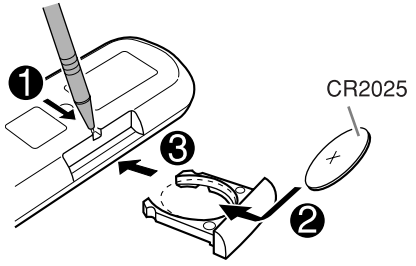
Not displayed when the source is “LINE-IN” or “EXT-IN” (external component).

Displayed only when playing an audio CD or when the source is “LINE-IN” or “EXT-IN.”

• To return to the previous screen, press “BACK” (if shown). See also page 46.

Remote controller — RM-RK300

Installing the lithium coin battery (CR2025)

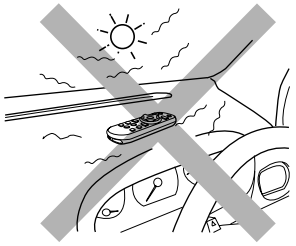


- **When operating, aim the remote controller directly at the remote sensor on the receiver. Make sure there is no obstacle in between.**

Warning:

- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
  - Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.
  - Do not leave the battery with other metallic materials.
  - Do not poke the battery with tweezers or similar tools.
  - Wrap the battery with tape and insulate when throwing away or saving it.

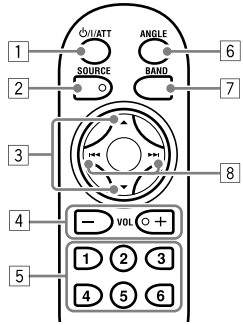
Caution:



The receiver is equipped with the steering wheel remote control function.

- See the Installation/Connection Manual (separate volume) for connection.

Main elements and features



1 ⏻/I/ATT (standby/on/attenuator) button
- Turns on and off the power and also attenuates the sound.

2 SOURCE button
- Selects the source.

3 ▲ (up) / ▼ (down) buttons
- Changes the preset stations.
- Changes the services for DAB.
- Changes the MP3/WMA folders.

4 VOL (volume) + / – buttons
- Adjusts the volume level.

5 Number buttons
- Selects the preset station (or service) if pressed, or store a station (or a service) if pressed and held.
- Selects the tracks while playing an audio CDs or CD Text.
- Selects the folders while playing MP3/WMA discs or an SD card.
- Selects the discs while operating the CD changer.

6 ANGLE button
- Adjusts the control panel angle.

7 BAND button
- Selects the band for FM/AM and DAB.

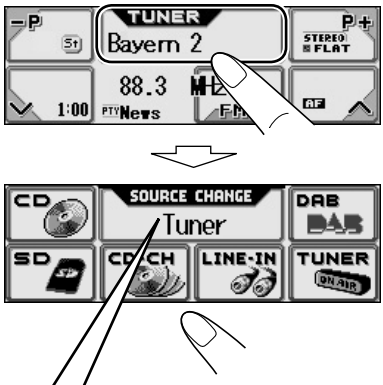
8 ⏮ / ⏭ buttons
- Searches for stations (or ensembles) if pressed, or skips frequencies after pressed and held.
- Changes the tracks of the disc or of the SD card if pressed.
- Fast-forwards or reverses the track if pressed and held.

ENGLISH

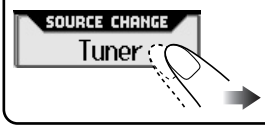
Basic operations

1

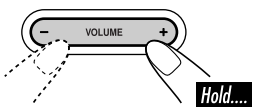
2 **Select the source.**

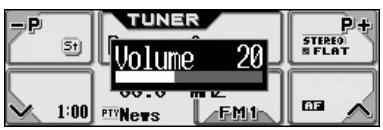


You can also select the source by....

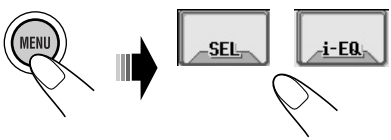


3





4 **Adjust the sound as you want. (See pages 24 and 25.)**



To drop the volume in a moment (ATT)

To restore the sound, press it again.

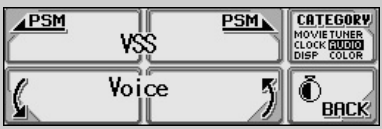
To turn off the power

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

Voice support system (VSS)

You can select either “Beep” or “Voice” for the VSS.

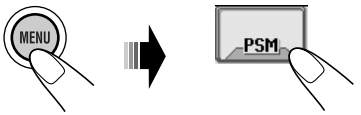


If “Voice” is selected, the language used for VSS changes to the selected language—English, German, or French.
To change the VSS setting, see page 34.

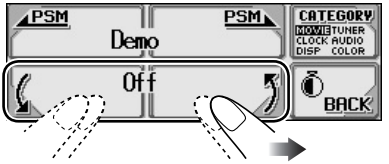
Canceling the display demonstrations

If no operations are done for about 20 seconds, display demonstration starts.
[Initial: Interval]—see page 30.

1



2 Select "Off."



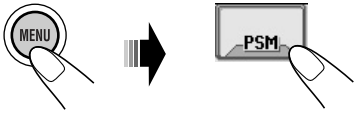
3 Exit from the setting.

To activate the display demonstration

In step **2** above, select "All Time" or "Interval." For more details, see page 30.

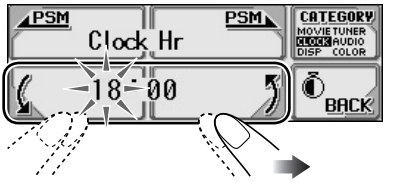
Setting the clock

1

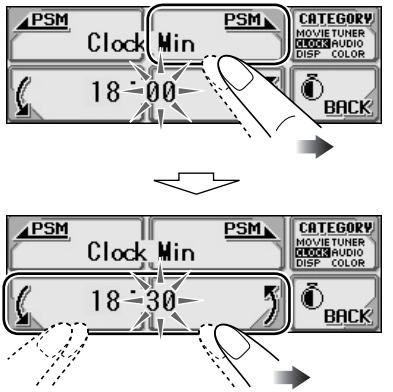


2

3 Adjust the hour.



4 Select "Clock Min" (minute), then adjust the minute.



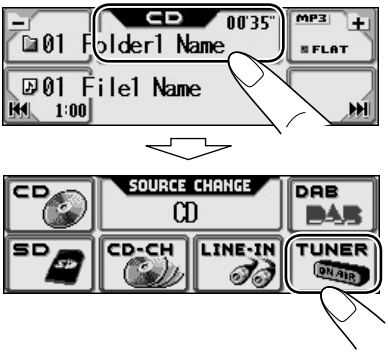
5 Select "24H/12H," then select "24Hours" or "12Hours."

6 Exit from the setting.

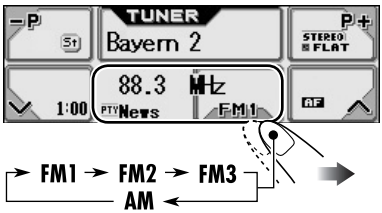
To check the current clock time when the power is turned off

Listening to the radio

1 **Select "TUNER."**



2 **Select the band (FM/AM).**



3 **Start searching for a station.**

When a station is received, searching stops.

To stop searching, press the same icon again.

To tune in to a station manually

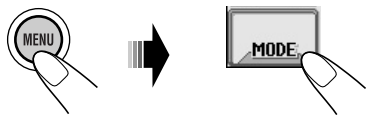
In step ❸ on the left...

1

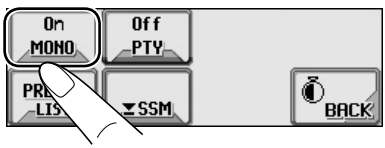
2 **Select the desired station frequencies.**

When an FM stereo broadcast is hard to receive

1



2 **Select "MONO On."**



Reception improves, but stereo effect will be lost.

3 **Exit from the setting.**

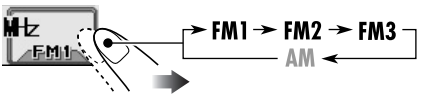
To restore the stereo effect, repeat the same procedure and select "MONO Off" in step 2.

Storing stations in memory

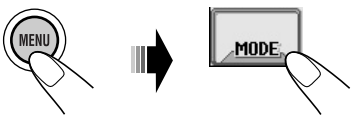
You can preset six stations for each band.

FM station automatic presetting—SSM (Strong-station Sequential Memory)

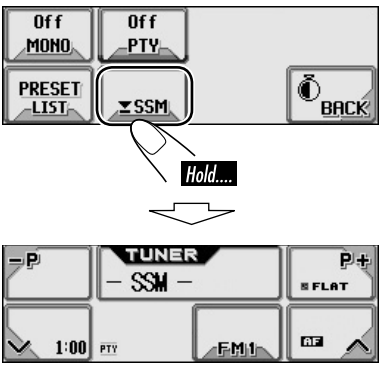
1 **Select the FM band (FM1 – FM3) you want to store into.**



2



3

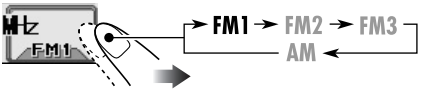


Local FM stations with the strongest signals are searched and stored automatically in the FM band.

Manual presetting

Ex.: Storing FM station of 92.5 MHz into preset number 4 of the FM1 band.

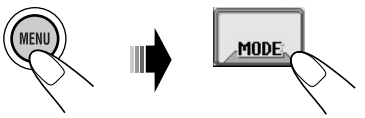
1



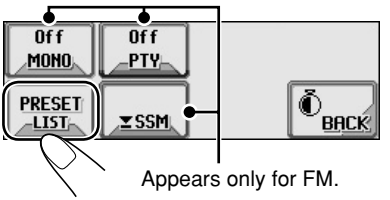
2

- Holding P+ or –P can display the Preset Station List (see step **5** below).

3

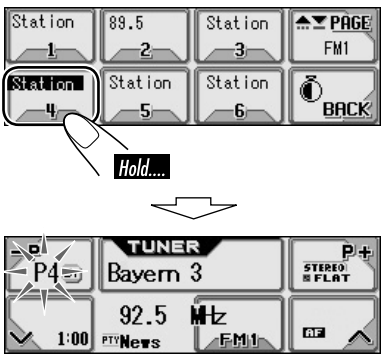


4



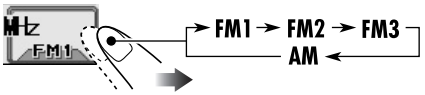
Appears only for FM.

5

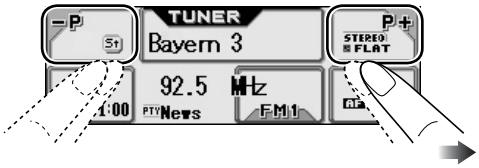


Listening to a preset station

1



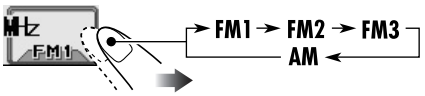
2 Select a preset station (1 – 6) you want.



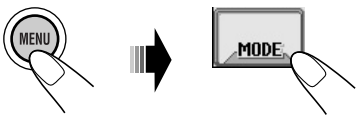
- Holding P+ or –P can display the Preset Station List (see below).

To select a preset station using the Preset Station List

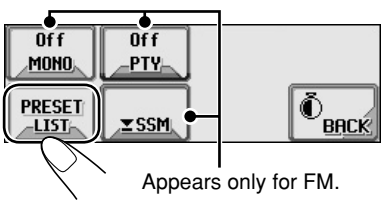
1



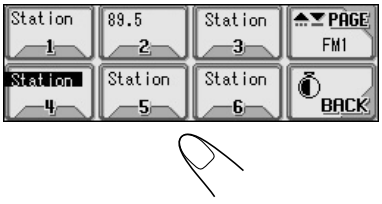
2



3

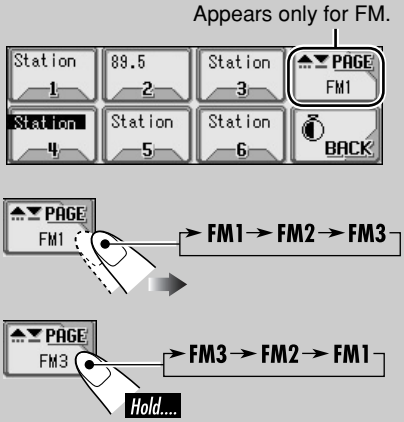


4 Select a preset number.



Preset Station List

The lists show either the station frequency or PS name (the first 8 characters).



ENGLISH

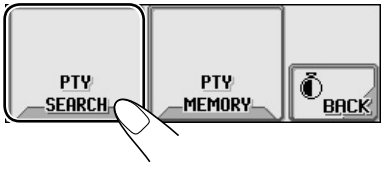
Searching for your favorite FM RDS programme

You can tune in to a station broadcasting your favorite programme by searching for a PTY code.

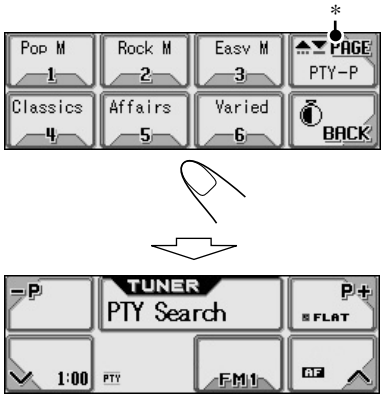
- To store your favorite programme, see page 13.

1

2



3 **Select a PTY code.**



If there is a station broadcasting a programme of the same PTY code as you have selected, that station is tuned in.

* *Press to go to the next list; hold to go back to the previous list.*

What you can do with RDS

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals.
By receiving the RDS data, this receiver can do the following:

- Programme Type (PTY) Search (see the left column)
- Temporarily switches to Traffic Announcement —TA Standby Reception. (See page 13.)
- Temporarily switches to your favorite programme—PTY Standby Reception. (See pages 14 and 33.)
- Tracing the same programme automatically —Network-Tracking Reception (see page 14)
- Programme Search (see page 33)
- Receiving the message service—RDS Radiotext (RT) (see page 15)

PTY codes

News, Affairs, Info, Sport, Educate, Drama, Culture, Science, Varied, Pop M (music), Rock M (music), Easy M (music), Light M (music), Classics, Other M (music), Weather, Finance, Children, Social, Religion, Phone In, Travel, Leisure, Jazz, Country, Nation M (music), Oldies, Folk M (music), Document

Storing your favorite programmes

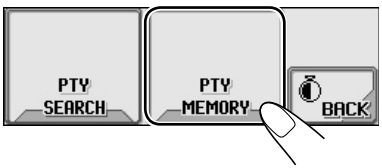
You can store six favorite programme types.

Preset programme types:

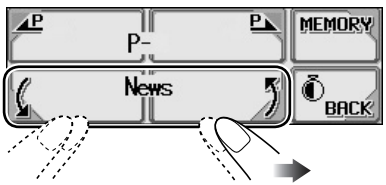
1	2	3	4	5	6
Pop M	Rock M	Easy M	Classics	Affairs	Varied

1

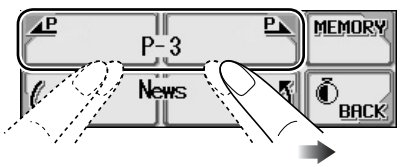
2



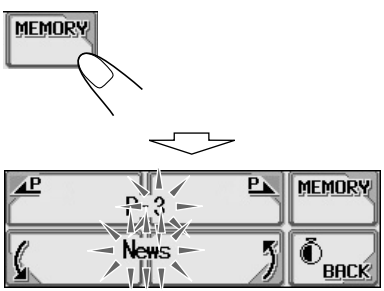
3 **Select a PTY code.**



4 **Select a preset number.**



5



Selected PTY code is stored in the selected preset number.

6 **Repeat steps 3 to 5 to store other PTY codes into other preset numbers.**

7 **Exit from the setting.**

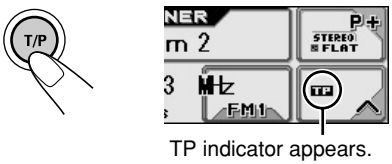
Using the standby receptions

TA Standby Reception

TA Standby Reception allows the receiver to switch temporarily to Traffic Announcement (TA) from any source other than AM.

- If a station starts broadcasting a traffic announcement, "Traffic News" appears on the display, and this receiver temporarily tunes in to the station. The volume changes to the preset TA volume level (see page 33).

To activate TA Standby Reception



TP indicator appears.

- If the TP indicator lights up, TA Standby Reception is activated.
- If the TP indicator flashes, TA Standby Reception is not yet activated. (This occurs when you are listening to an FM station without the RDS signals required for TA Standby Reception.)
  To activate TA Standby Reception, tune in to another station (or service) providing these signals. The TP indicator will stop flashing and remain lit.

To be continued....

To deactivate the TA Standby Reception

The TP indicator goes off.

PTY Standby Reception

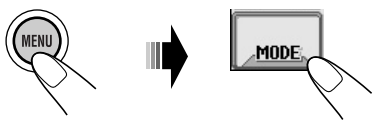
PTY Standby Reception allows the receiver to switch temporarily to your favorite PTY programme from any source other than AM.

- This function also takes effect for the DAB tuner.

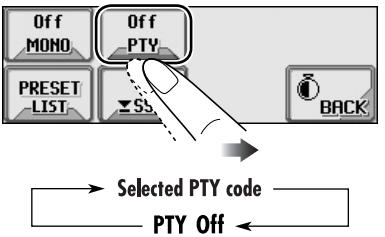
To select your favorite PTY code for PTY Standby Reception, see page 33.
The PTY indicator either lights up or flashes.

To activate the PTY Standby Reception

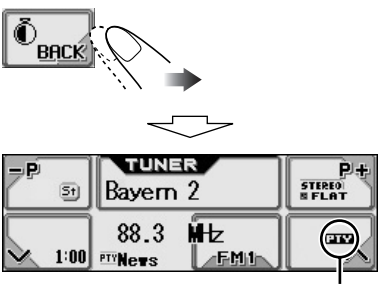
1



2 Select one of the PTY codes.



3 Exit from the setting.



PTY indicator appears.

- If the PTY indicator lights up, PTY Standby Reception is activated.
- If the PTY indicator flashes, PTY Standby Reception is not yet activated.
  To activate PTY Standby Reception, tune in to another station (or service) providing these signals. The PTY indicator will stop flashing and remain lit.

To deactivate the PTY Standby Reception

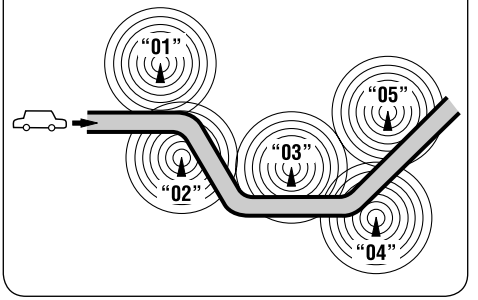
Select "PTY Off" in step **2**.
The PTY indicator goes off.

Tracking the same programme— Network-Tracking Reception

When driving in an area where FM reception is not sufficient enough, this receiver automatically tunes in to another FM RDS station of the same network, possibly broadcasting the same programme with stronger signals (see the illustration below).

When shipped from the factory, Network-Tracking Reception is activated.
To change the Network-Tracking Reception setting, see "AF-Regn'l" on page 33.

Programme A broadcasting on different frequency areas (01 – 05)



Using the message service— RDS Radiotext (RT)

What is RDS Radiotext

RDS Radiotext is part of the RDS data signal to transmit various text information (e.g. programme information, phone numbers, e-mail and web addresses, artist/title information and news headlines). The text service is part of the RDS broadcast.
One message may contain up to 64 characters.

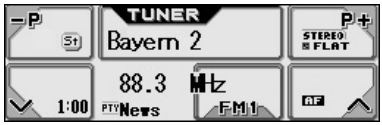
The message service is an optional service and is not supported by all broadcasters.

Once you tuned in to a station that supports the message service, the service is automatically received.

To use the text message service, select the Radiotext (RT) screen (see page 4).

To show the RDS Radiotext (RT) information

While listening to a station that supports RT....



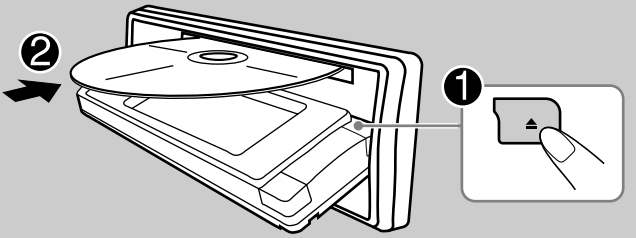
Radiotext screen is shown.

It takes time to load data. While loading, “Loading” appears.

If text message is unavailable, the text screen will automatically change to source operation screen. The text screen will automatically appear again when the text service is available.

ENGLISH

Playing a disc in the receiver



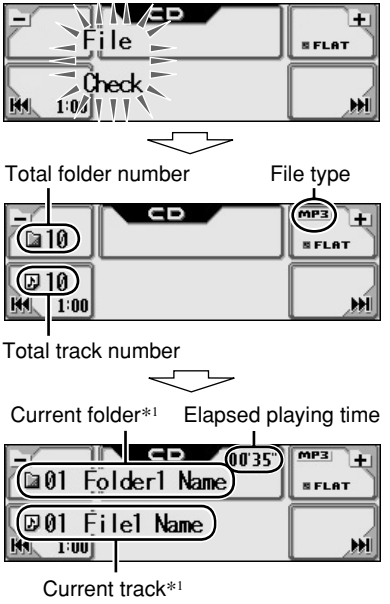
All tracks will be played repeatedly until you change the source or eject the disc.

About MP3 and WMA tracks

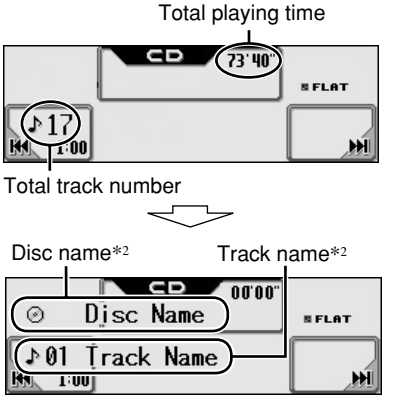
MP3 and WMA (Windows Media® Audio) "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."

- When an MP3 or a WMA folder includes an image <jll> file edited by Image Converter (Wide Ver 1.2)—supplied in the CD-ROM, you can show the image on the display while the tracks in the folder are played back—ImageLink. (See pages 18, 30, and 48 for details.)

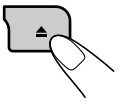
- **When inserting an MP3 or a WMA disc:**



- **When inserting an audio CD or a CD Text disc:**



To stop play and eject the disc



To return the control panel to its previous position, press it again.

Playing discs in the CD changer

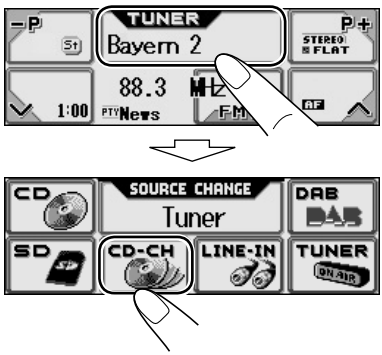
About the CD changer

It is recommended to use the JVC MP3-compatible CD changer with your receiver.

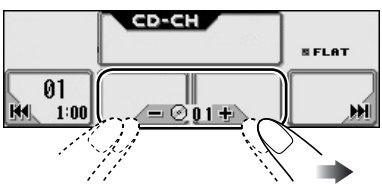
- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this receiver.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.
- You cannot control and play any WMA disc in the CD changer.

All tracks of the inserted discs in the magazine will be played repeatedly until you change the source or eject the magazine from the CD changer.

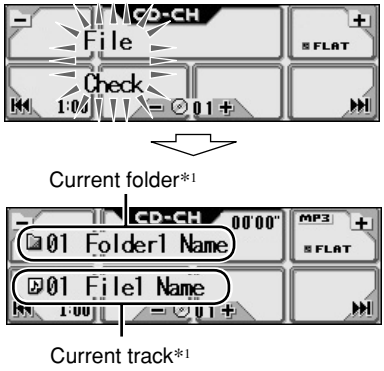
1 **Select "CD-CH."**



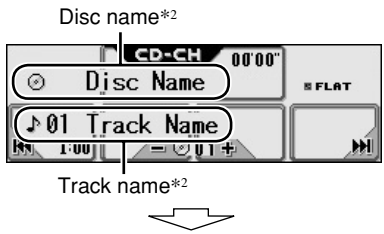
2 **Select a disc.**



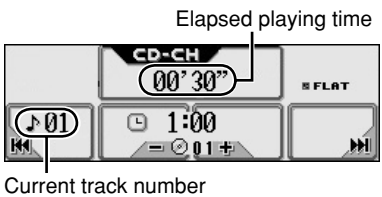
- **When the current disc is an MP3 disc:**



- **When the current disc is an audio CD or a CD Text disc:**



If no name is assigned to an audio CD:



*1 *The album name/performer with indicator and the track title with indicator will appear if "Tag" is set to "On" (see page 32).*

*2 *Appear only for CD Texts and CDs if it has been assigned or recorded. ("No Name" appears for a while if no name is recorded or assigned to an audio CD.)*

Playing an SD card

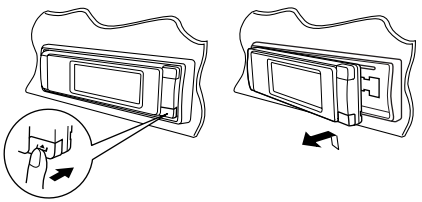
About the SD card

You can play back MP3/WMA tracks recorded on the SD card and show the stored image on the display during playback—ImageLink. (See pages 16, 30, and 48 for details.)
The required SD recording format is FAT 12/16 and the recommended storage type is 8 MB to 512 MB.

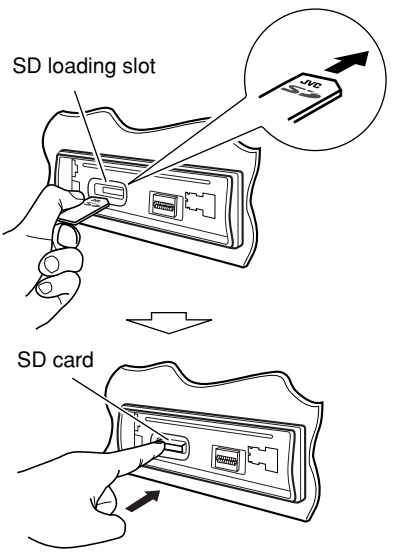
- You cannot use MMC or mini SD with this receiver.

Before detaching the control panel, turn off the power.

1 **Detach the control panel.**



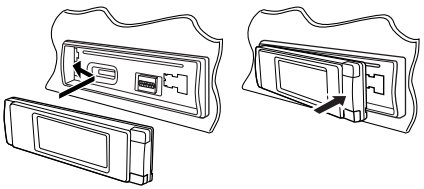
2



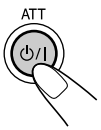
Press in the SD card until you hear a clicking sound.

To eject the SD card, press the SD card again.

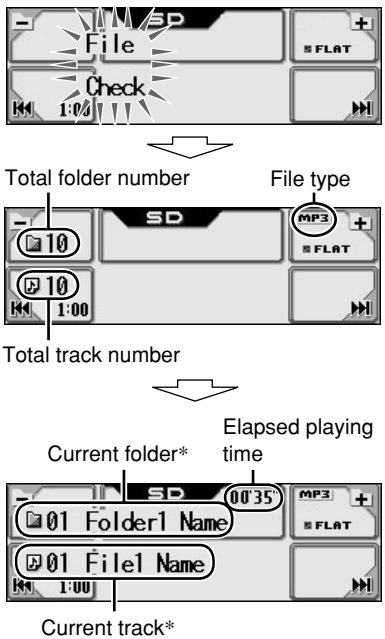
3 **Attach the control panel.**



4

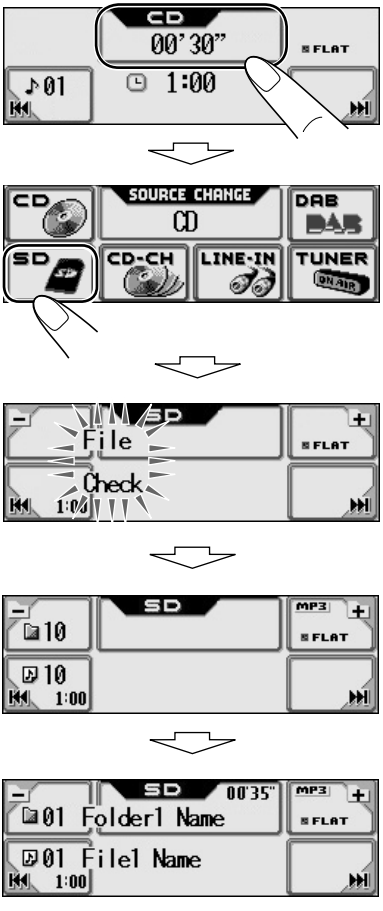


- The control panel goes back to the previous position (see page 38).



Playback starts automatically if tracks are recorded.

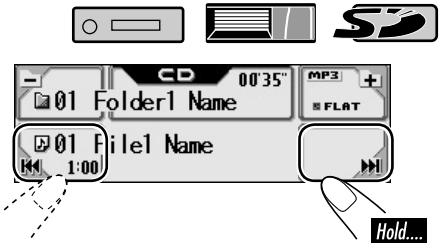
If an SD card has been loaded....



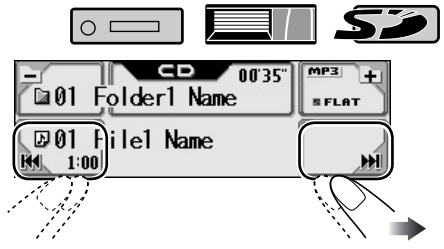
* *The album name/performer with ◘ indicator and the track title with ♪ indicator will appear if "Tag" is set to "On" (see page 32).*

Operation screens used for the following operations is of MP3 playback in the receiver.

To fast-forward or reverse the track

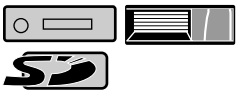


To go to the next or previous tracks



To go to the next or previous folders (only for MP3 and WMA tracks)

For MP3 tracks:

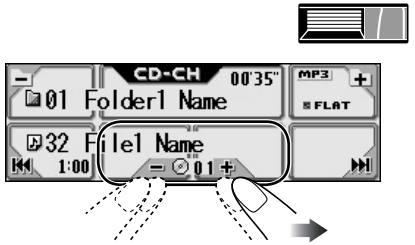


For WMA tracks:

- If you hold the icon, the Folder List will appear on the display (see page 20).

To be continued....

To select a disc during playback

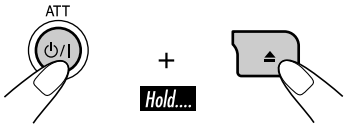


- If you hold the icon, the Disc List will appear on the display (see the right column).

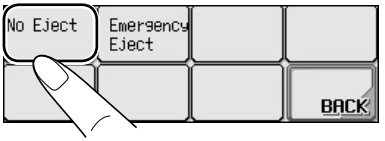
Prohibiting disc ejection

You can lock a disc in the loading slot.

1



2



"No Eject" flashes, and the disc cannot be ejected.

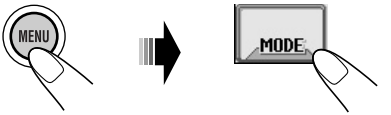
To cancel the prohibition

In step **2** above, press "Eject OK."
"Eject OK" flashes for a while.

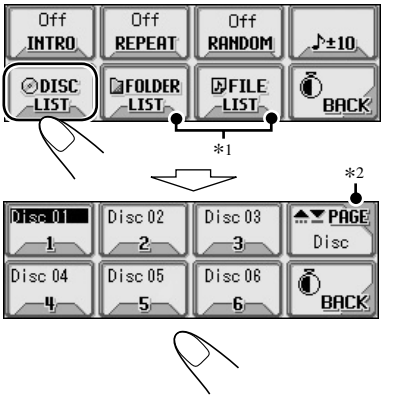
Other main functions

Selecting a disc/folder/track on the list

1

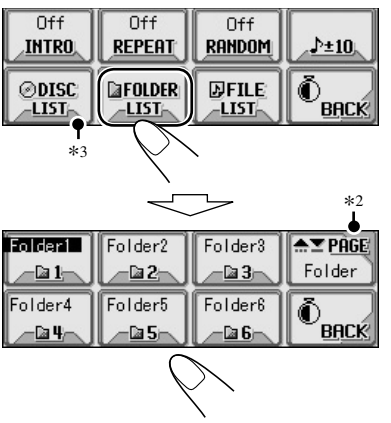


2 • **Select a disc (only for the CD changer).**



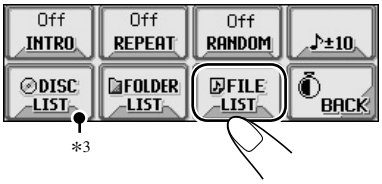
If the selected disc is an MP3/WMA disc, its Folder List appears.

- **Select a folder (only for MP3/WMA disc or SD card).**

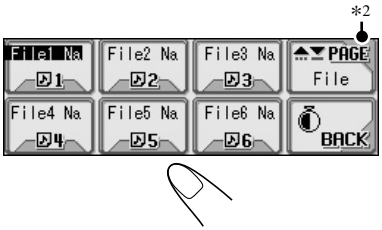


If you select the current folder (highlighted on the screen), its File List appears.

- **Select a track (only for MP3/WMA disc or SD card).**



File List of the current folder appears.



*1 *Appears only if the current disc is an MP3 discs.*

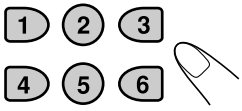
*2 *Press to go to the next list; hold to go to the previous list.*

*3 *Displayed only when the source is "CD-CH."*

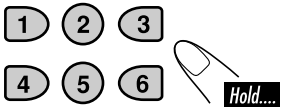
When using the remote controller....

- **To directly select a disc in the CD changer**
- **To directly select a track of an audio CD or CD Text**
- **To directly select a folder of an MP3/WMA disc or an SD card**

To select a number from 1 – 6:



To select a number from 7 (1) – 12 (6):



It is required that folders are assigned with 2-digit numbers at their beginning of their names—01, 02, 03, and so on.

Skipping a track quickly during play

For audio CD/CD Text:

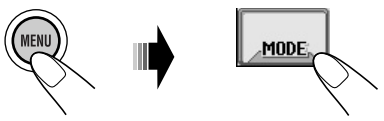
For MP3 tracks:

For WMA tracks:

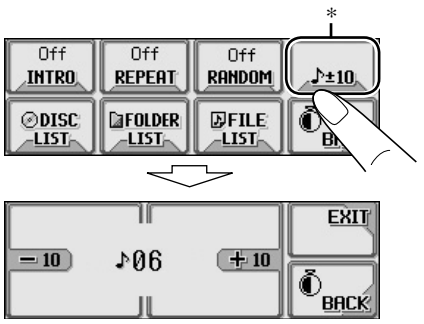
For MP3 or WMA tracks, you can skip a track within the same folder.

Ex.: To select track 32 while playing track 6 in the CD changer

1

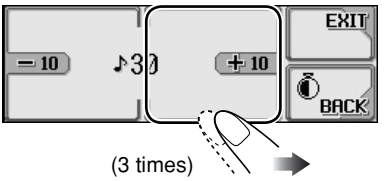


2



** If the source is "CD-CH" : Works only when JVC MP3 compatible CD changer (CH-X1500) is connected.*

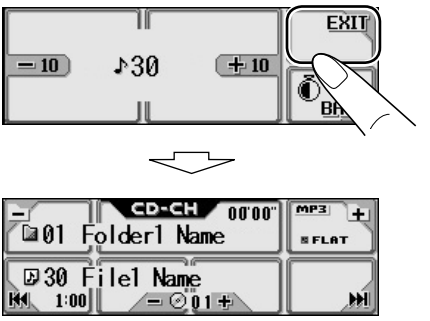
3



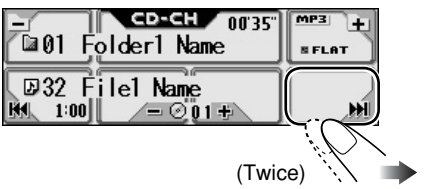
First time you press "+10" or "–10," the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).
Then each time you press the button, you can skip 10 tracks.

- After the last track, the first track will be selected and vice versa.

4



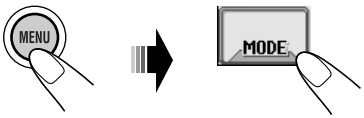
5



Selecting the playback modes

You can use only one of the following playback modes at a time.

1



2 Select your desired playback mode.

Intro play

Mode	Plays the beginning 15 seconds of ...
Track:	All tracks of the current disc or the SD card. • While playing, INT lights up.
Folder[*1]:	First tracks of all folders of the current disc or the SD card. • While playing, INT lights up.
Disc[*2]:	First tracks of all the inserted discs. • While playing, INT lights up.
Off:	Cancels.

Repeat play

Mode	Plays repeatedly
Track:	The current track. • While playing, RPT lights up.
Folder[*1]:	All tracks of the current folder. • While playing, RPT lights up.
Disc[*2]:	All tracks of the current disc. • While playing, RPT lights up.
Off:	Cancels.

Random play

Mode	Plays at random
Folder[*1]:	All tracks of the current folder, then tracks of the next folder and so on. • While playing, RND lights up.
Disc or **SD**:	All tracks of the current disc or the SD card. • While playing, RND or RND lights up.
All[*2]:	All tracks of all inserted discs. • While playing, ALL RND lights up.
Off:	Cancels.

[*1] *Only while playing an MP3 (/ /) or WMA (/) track.*

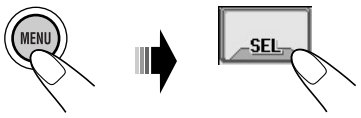
[*2] *Only while playing discs in the CD changer ( ).*

3 Exit from the setting.

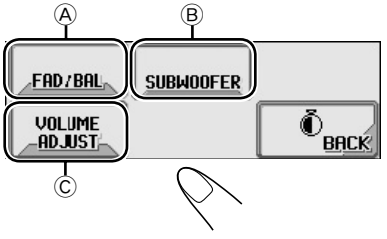
ENGLISH

Setting the basic sound selection menu—SEL

1

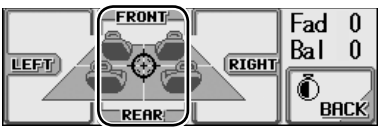


2 **Select a setting item.**



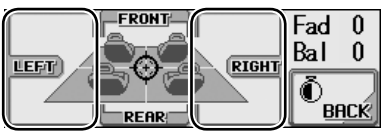
3 **Adjust the selected item.**

Ⓐ To adjust the speaker output balance between the front and rear speakers—FAD (fader).



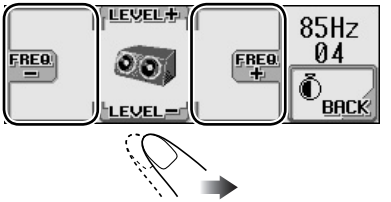
F6 (Front only) to R6 (Rear only)

To adjust the speaker output balance between the left and right speakers—BAL (balance).



L6 (Left only) to R6 (Right only)

Ⓑ To select the cutoff frequency to the subwoofer.

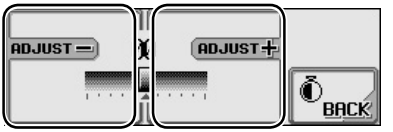


55Hz:	Frequencies higher than 55 Hz are cut off.
85Hz:	Frequencies higher than 85 Hz are cut off.
115Hz:	Frequencies higher than 115 Hz are cut off.

Adjust the subwoofer output level.

00 (min.) to 08 (max.)

Ⓒ To adjust the input level of each source (except FM).
Adjust to match the input level to the FM sound level.



–05 (min.) to +05 (max.)

4 **Exit from the setting.**

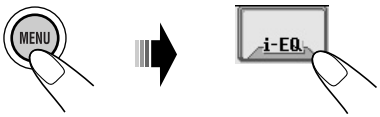
Selecting preset sound modes (i-EQ: intelligent equalizer)

You can select a sound mode suitable to the music genre.

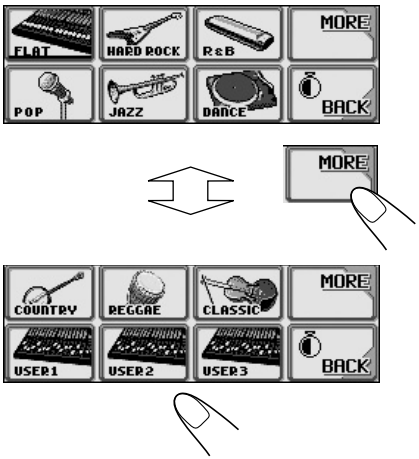
Available sound modes

FLAT (No sound mode is applied), **HARD ROCK, R & B, POP, JAZZ, DANCE, COUNTRY, REGGAE, CLASSIC, USER 1, USER 2, USER 3**

1



2 Select a sound mode.



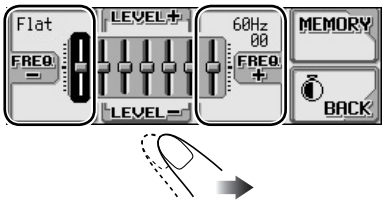
3 Exit from the setting.

Storing your own sound modes

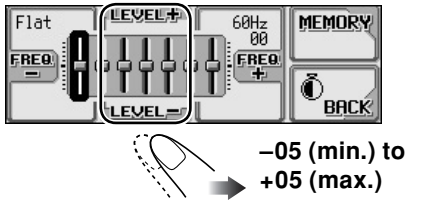
Ex.: To adjust "FLAT"

1 Select "FLAT" (see left column).

2 Select the frequency band—60Hz, 150Hz, 400Hz, 1kHz, 2.4kHz, 6kHz, 12kHz.

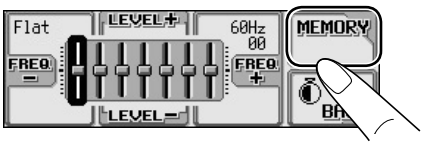


3 Adjust the level of the selected band.

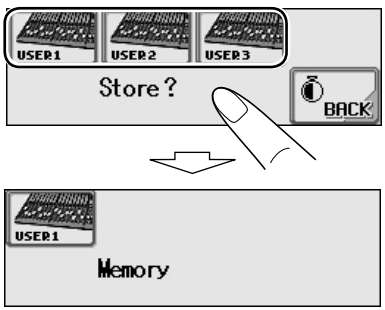


4 Repeat steps 2 and 3 to adjust the other frequency bands.

5



6



Ex.: When "USER1" is selected

Graphic displays

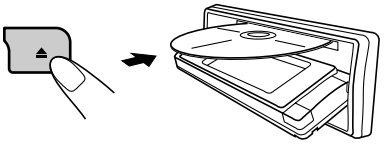
Basic procedure

Before starting the following procedure, prepare a CD-R or an SD card including still images (pictures) and animations (movies).

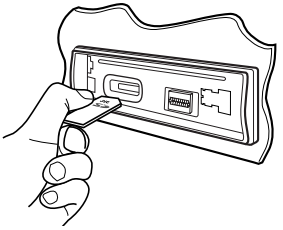
- With Image Converter (Wide Ver 1.2) included in the supplied CD-ROM, you can create your own images and animations. (Samples are included in the CD-ROM.)

1 **Insert a CD-R, an SD card, or supplied CD-ROM.**

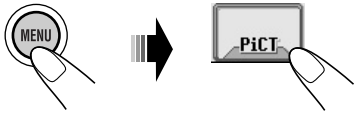
- **CD-R/supplied CD-ROM**



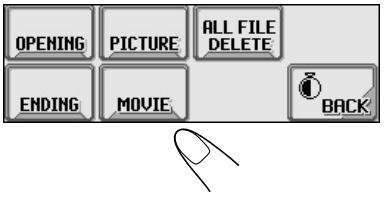
- **SD card**



2



3



- To download the file(s):
  ➡ **Downloading the files** (see page 26)
- To delete the file(s):
  ➡ **Deleting the files** (see page 27)
- To activate the file(s):
  ➡ **Activating the downloaded files** (see pages 29)

IMPORTANT:

- Refer also to Image Converter PDF files included in the "Manual" folder of the supplied CD-ROM.
- Still images (pictures) should have **<jll>**, and animations (movies) should have **<jla>** as their extension code in their file names.
- Before you download or delete the files, observe the following:
  – Do not download a file while driving.
  – Do not turn off the ignition key of the car while downloading or deleting a file.*
  – Do not detach the control panel while downloading or deleting a file.*

** If you do so, the file download or deletion will not be done correctly.*

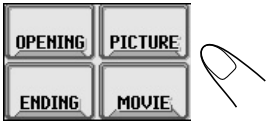
Downloading the files

- **OPENING**: Opening screen
  To download/delete an animation (30 frames at maximum) which will be shown after the receiver is turned on.
- **ENDING**: Ending screen
  To download/delete an animation (30 frames at maximum) which will be shown before the receiver is turned off.
- **PICTURE**: Graphic screen
  To download/delete still images (30 still images at maximum) which will be shown while playing a source.
- **MOVIE**: Graphic screen
  To download/delete an animation (90 frames at maximum) which will be shown while playing a source.

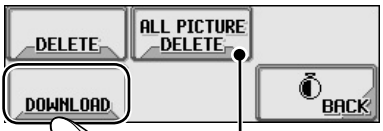
Downloading an animation or pictures

- It takes a long time to download an animation. For details, see page 49.
- To activate the downloaded files, see page 29.

1 **In step ❸ on page 26....**



2



Appears only if "PICTURE" is selected.

- *If "OPENING," "ENDING," or "MOVIE" is selected, only the folders including the <jla> files are shown.*
- *If "PICTURE" is selected, only the folders including the <jll> files are shown.*

3 **Select a folder.**

(once for the currently selected; twice for the others)

4 **Select a file.**

5

File name appears.

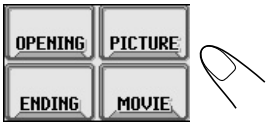
6
- **To download more pictures from the same folder, repeat steps 4 and 5.**
- **To download more pictures from another folder, press BACK. Then, repeat steps 3 to 5.**

7 **Exit from the setting.**

Deleting the files

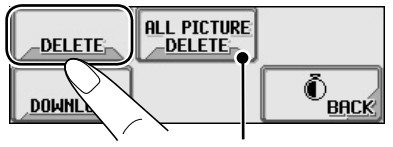
Deleting the stored animation and pictures

1 **In step ❸ on page 26....**



To be continued....

2



Appears only if "PICTURE" is selected.

3 • **To delete the stored animation**

File name appears.

• **To delete the stored pictures**

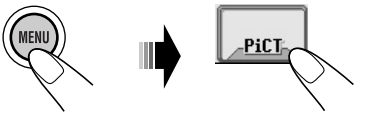
File name appears.

4 **Repeat step 3 to delete more pictures.**

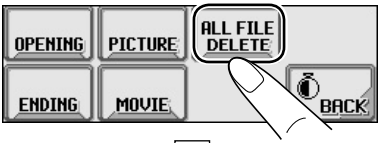
5 **Exit from the setting.**

Deleting all the stored animation and pictures

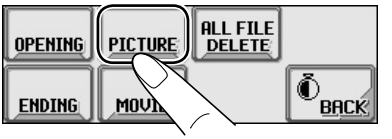
1



2 • **To delete all the stored files**



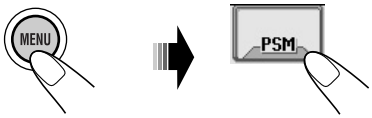
• **To delete all the stored pictures**



3 **Exit from the setting.**

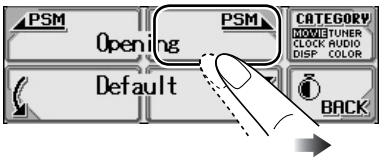
Activating the downloaded files

1

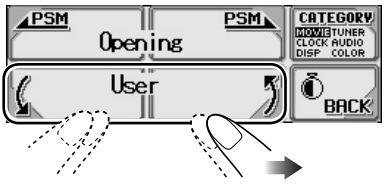


2 • **To activate the animations stored for opening and ending screens**

1 Select “Opening” or “Ending.”



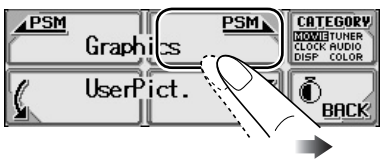
2 Select a setting you want.



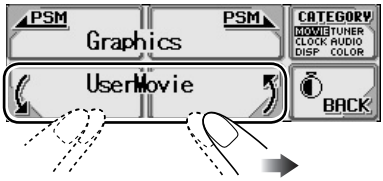
Default:	Factory-preset animation is used.
User:	Your own edited animation is used.

• **To activate the graphic screen using either picture or movie**

1 Select “Graphics.”



2 Select a setting you want.

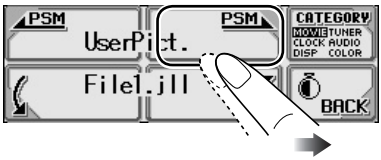


UserMovie:	Your edited animation stored in “MOVIE” is activated.
UserSlide:	Your edited still images stored in “PICTURE” are activated and shown in sequence.
UserPict.:	One of your edited still images stored in “PICTURE” is activated.

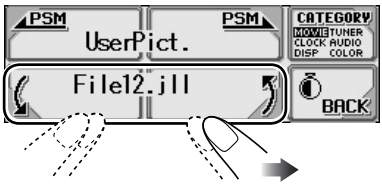
• **To select a still image for “UserPict.”**

If “UserPict.” is not selected for “Graphics,” you cannot select “UserPict.” (see page 30).

1 Select “UserPict.”



2 Select a file you want.



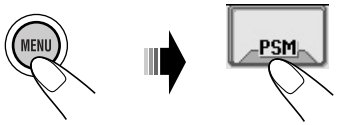
3 **Exit from the setting.**

ENGLISH

Basic procedure

You can change PSM (Preferred Setting Mode) items listed in the table that follows.

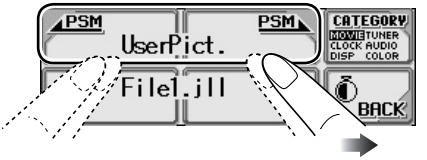
1



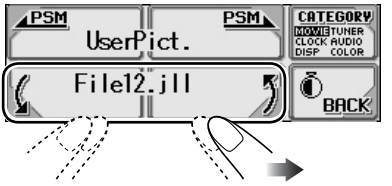
2 **Select a PSM category.**

You can move to a different category by simply changing the PSM items.

3 **Select a PSM item.**



4 **Adjust the PSM item selected.**



5 **Repeat steps 2 to 4 to adjust the other PSM items if necessary.**

6 **Exit from the setting.**

Indications		Selectable settings, [reference page]
MOVIE	**Demo** Display demonstration	**All Time:** Display demonstration (animation) appears. **ImageLink:** To show a still image while playing back an MP3/WMA track, [16, 18, 48]. **Interval:** *[Initial];* Display demonstration (animation) and playback source indication appears alternately. **Off:** Cancels. • These graphics appear if no operation is done for about 20 seconds.
	Graphics Graphics	You can activate the graphic screen using either movie or picture, [29]. **UserMovie:** Your edited animation stored in "MOVIE" is activated. **UserSlide:** Your edited still images stored in "PICTURE" are activated and shown in sequence. **UserPict.:** *[Initial];* One of your edited still images stored in "PICTURE" is activated.

	Indications	Selectable settings, [reference page]
MOVIE	**KeyIn CFM** Key-in confirmation	**On:** *[Initial];* An animation screen appears when you turn on or off the power, change the source, and when you select an i-EQ. **Off:** Cancels.
	Opening*1 Opening screen	When you turn on ("Opening") and off ("Ending") the power, [29].... **Default:** *[Initial];* Factory-preset animation is used. **User:** Your own edited animation is used.
	Ending*1 Ending screen	
	UserPict.*2 User picture	*[Initial: First stored];* You can select one of the stored files as the graphics, [29].
CLOCK	**Clock Hr** Clock hour	0 – 23 (1 – 12), [8] *[Initial: 0 (0:00)]*
	Clock Min Clock minute	00 – 59, [8] *[Initial: 00 (0:00)]*
	24H/12H Clock system	12Hours ⇄ 24Hours, [8] *[Initial: 24Hours]*
	Clock Adj Automatic clock adjustment	**Auto:** *[Initial];* The built-in clock is automatically adjusted using the CT (clock time) data in the RDS signal. **Off:** Cancels.
DISP	**Scroll** Scroll	**Once:** *[Initial];* For disc information: scrolls the disc information only once. For RDS Radiotext: scrolls the text message continuously (in 3-second intervals). For DAB text: scrolls the detailed DAB text. **Auto:** For disc information: repeats the scroll (in 5-seconds interval). For RDS Radiotext: scrolls the text message continuously (in 3-second intervals). For DAB text: scrolls the detailed DAB text. **Off:** For disc information: cancels. For RDS Radiotext: shows only the first page of the text message. For DAB text: shows only headline if any. • Holding DISP for more than one second can scroll the disc information regardless of the setting.

*1 *Displayed only after a downloadable file is stored in memory.*

*2 *Displayed only after a downloadable file is stored in memory and while selecting "UserPict." for "Graphics."*

To be continued....

Indications	Selectable settings, [reference page]
DISP	
Dimmer Dimmer	**Auto:** *[Initial];* Dims the display when you turn on the headlights. **Off:** Cancels. **On:** Activates dimmer. **Time Set:** Set the timer for dimmer, [35].
From– To[*1] Dimmer time	Any hour – Any hour, [35] *[Initial: 18:00– 7:00]*
Contrast Contrast	1 – 10 *[Initial: 5]*
LCD Type Display type	**Auto:** *[Initial];* Positive pattern will be selected during the day time[*2]; while negative pattern will be used during the night time[*2]. **Positive:** Positive pattern of the display. **Negative:** Negative pattern of the display (except still images, animations, and audio level meters).
Font Type Font type	You can select the font type on the screen. **1** *[Initial]* ⇄ **2**
Tag Tag display	**On:** *[Initial];* To show the ID3 tag display while playing MP3/WMA tracks, [16 – 19]. **Off:** Cancels.
Theme Audio level meter	You can select the level meter during playback, [4]. **Meter 1** *[Initial]* ⇄ **Meter 2** ⇄ **Meter 3** ⇄ (back to the beginning) • Press DISP repeatedly to show the selected level meter.
Key Info Key information	**On:** *[Initial];* To show the key icon boundary on the touch panel to make the operations easy. **Off:** Cancels. (About 5 seconds after operation, the key icon boundary goes off.)
Sensitiv. Touch panel sensitivity	You can select the sensitivity level of the touch panel operations. **1** ⇄ **2** *[Initial]* ⇄ **3** ⇄ (back to the beginning) • Sensitivity level decreases from 1 to 3.

[*1] *Displayed only when "Dimmer" is set to "Time Set."*

[*2] *Depends on the "Dimmer" setting.*

Indications	Selectable settings, [reference page]
TUNER	
PTY Stnby PTY Standby	You can select one of the PTY codes for the PTY Standby Reception, [14].
AF-Regn'l Alternate frequency/ regionalization reception	When the received signals from the current station become weak.... **AF:** *[Initial];* Switches to another station (the programme may differ from the one currently received), [14]. • The AF indicator lights up. **AF Reg:** Switches to another station broadcasting the same programme. • The REG indicator lights up. **Off:** Cancels (not selectable when "DAB AF" is set to "On").
TA Volume Traffic announcement volume	When a traffic programme (TA) is received, the volume level automatically changes to the preset level. *[Initial: 20];* 0 – 30 or 0 – 50*3
P-Search Programme search	**On:** The receiver tunes in to another frequency broadcasting the same programme as the original preset RDS station is if the preset station signals are not sufficient. **Off:** *[Initial];* Cancels.
IF Filter Intermediate frequency filter	**Auto:** *[Initial];* Increases the tuner selectivity to reduce interference noises between the stations. (Stereo effect will also be lost.) **Wide:** Subject to the interference noises from adjacent stations, but sound quality will not be degraded and remaining the stereo effect.
DAB AF*4 Alternative frequency reception	**On:** *[Initial];* Traces the programme among DAB services and FM RDS stations, [44]. **Off:** Cancels.
Announce*4 Announcement standby	Select one of the 9 announcement types for Announcement Standby Reception. **Travel** *[Initial]* ⇄ **Warning** ⇄ **News** ⇄ **Weather** ⇄ **Event** ⇄ **Special** ⇄ **Rad Inf** (Radio Information) ⇄ **Sports** ⇄ **Finance** ⇄ (back to the beginning)

*3 *Depends on the amplifier gain control.*

*4 *Displayed only when the DAB tuner is connected.*

To be continued....

	Indications	Selectable settings, [reference page]
AUDIO	**VSS** Voice support system	**Beep:** A beep sounds when you operate the receiver. **Voice:** *[Initial];* Guidance is announced in the language you have selected when you operate the receiver.
	VSS Level VSS level	You can adjust the volume level of the VSS sounds. **Off** (cancels) ⇄ **1** ⇄ **2** ⇄ **3** *[Initial]* ⇄ **4**
	Language Language	You can select the language for the VSS. **English** *[Initial]* ⇄ **Deutsch** (German) ⇄ **Français** (French) ⇄ (back to the beginning) • The indication on the display will also be shown in the selected language.
	Ext Input[*1] External input	**Changer:** *[Initial];* To use a JVC CD changer, [17]. **Ext In:** To use any external component, [39].
	Telephone Telephone muting	**Muting1**/**Muting2:** Select either one which mutes the sounds while using the cellular phone. **Off:** *[Initial];* Cancels. • If CD or CD changer has been selected as the source, playback pauses during telephone muting.
	Amp Gain Amplifier gain control	You can change the maximum volume level of this receiver. **High PWR:** *[Initial];* Volume 0 – Volume 50 **Low PWR:** Volume 0 – Volume 30 (Select this if the maximum power of the speaker is less than 52 W to prevent them from damaging the speaker.) **Off:** Deactivates the built-in amplifiers.
COLOR	**SOURCE** Source	*[Initial: AllSource];* You can select your favorite display color for each source (or for all sources), [35, 36].
	USER DAY **(USER NIGHT)** User color	You can create your own colors, and select them for the display color, [36]. **USER DAY:** User color during the day time[*2]. **USER NIGHT:** User color during the night time[*2].
	R Red	00 – 11 *[Initial: USER DAY: 07, USER NIGHT: 05]*
	G Green	00 – 11 *[Initial: USER DAY: 07, USER NIGHT: 05]*
	B Blue	00 – 11 *[Initial: USER DAY: 07, USER NIGHT: 05]*

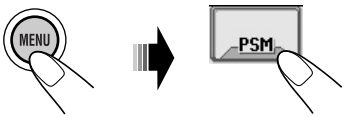
[*1] *Cannot be selected if the source is "CD-CH" or "EXT-IN."*

[*2] *Depends on the "Dimmer" setting.*

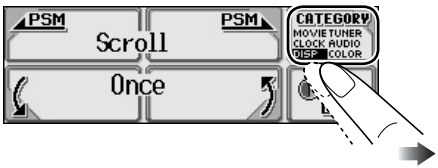
Selecting the dimmer mode

You can dim the display at night or as you set the timer.

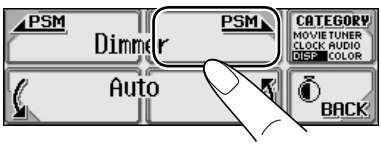
1



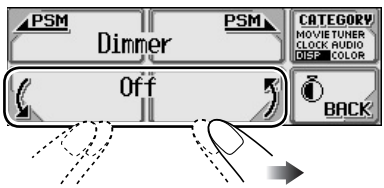
2



3

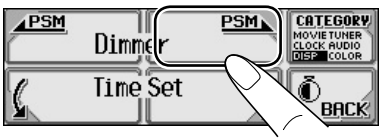


4

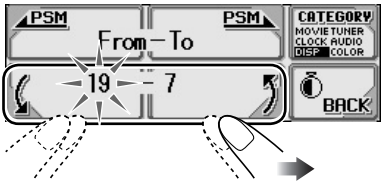


Auto:	Dims the display when you turn on the headlights. ➡ Go to step **9**.
Off:	Cancels. ➡ Go to step **9**.
On:	Always dims the display. ➡ Go to step **9**.
Time Set:	Set the timer for dimmer. ➡ Go to step **5**.

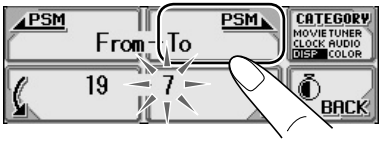
5 **Select "From– To."**



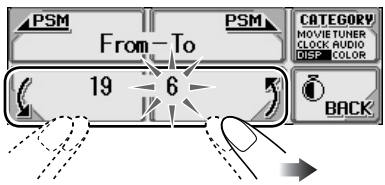
6 **Set the dimmer start time.**



7



8 **Set the dimmer end time.**



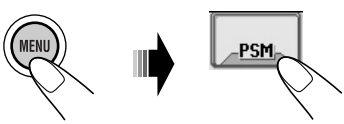
9 **Exit from the setting.**

Changing the display color

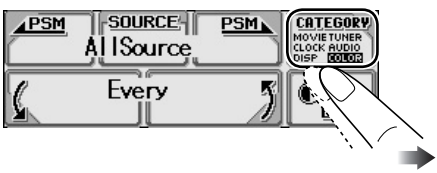
You can select your favorite display color for each source (or for all sources).

Setting the display color

1

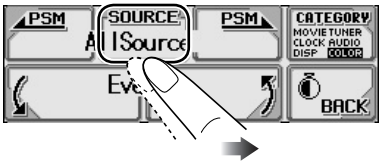


2



To be continued....

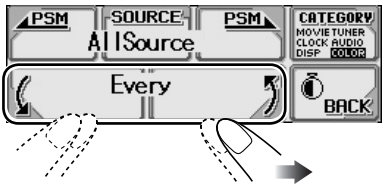
3 **Select the source.**



AllSource*1 ➡ CD ➡ SD ➡ Changer (or Ext In*2) ➡ Line In ➡ FM ➡ AM ➡ DAB*3 ➡ (back to the beginning)

*1 *When you select "AllSource," you can use the same color for all the sources.*
*2 *Depends on the "Ext Input" setting, see page 34.*
*3 *Selectable only when DAB tuner is connected.*

4 **Select the color.**



Every*4 ⇄ Aqua ⇄ Sky ⇄ Sea ⇄ Leaves ⇄ Grass ⇄ Apple ⇄ Rose ⇄ Amber ⇄ Honey ⇄ Violet ⇄ Grape ⇄ Pale ⇄ User*5 ⇄ (back to the beginning)

*4 *The color changes every 2 seconds.*
*5 *The user-edited colors—"USER DAY" and "USER NIGHT" will be applied (see the right column).*

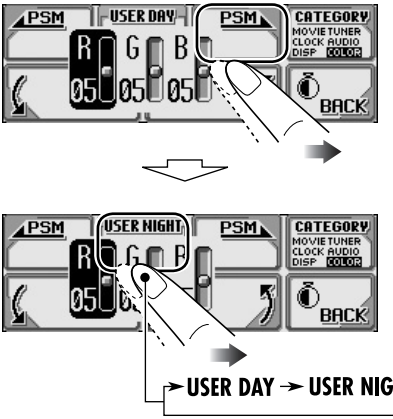
5 **Repeat steps 3 and 4 to select the color for each source (except when selecting "AllSource" in step 3).**

6 **Exit from the setting.**

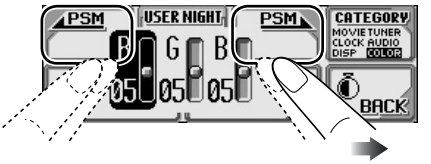
Creating your own color—User

You can create your own colors—"USER DAY" and "USER NIGHT."

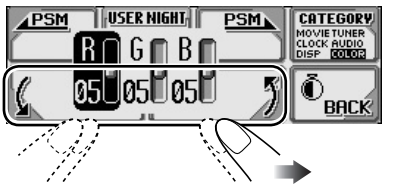
1 **In step 3 on the left, select the user color.**



2 **Select the primary color (R/G/B).**



3 **Adjust the level (00 – 11) of the selected primary color.**



4 **Repeat steps 2 and 3 to adjust the other primary color.**

5 **Exit from the setting.**

Assigning titles to the sources

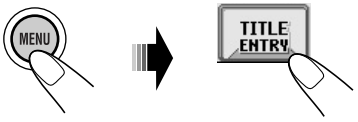
You can assign titles to CDs (both in this receiver and in the CD changer) and the external components (LINE-IN and EXT-IN).

Sources	Maximum number of characters
CDs/CD-CH	Up to 32 characters (up to 30 discs)
External components	Up to 8 characters

- You cannot assign a title to CD Text or an MP3/WMA disc.

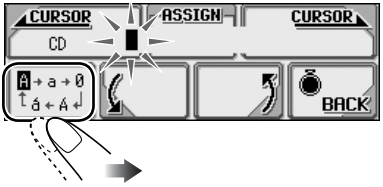
1 Select the source.
- For a CD in this receiver: Insert a CD.
- For CDs in the CD changer: Select "CD-CH," then select a disc number.
- For external component: Select "LINE-IN" or "EXT-IN."

2

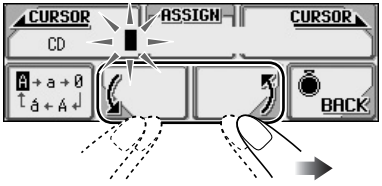


3 Assign a title (in this example, to a CD).

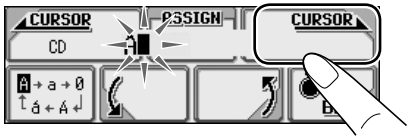
1 Select a character set.



2 Select a character.

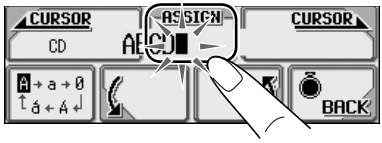


3 Move to the next character position.



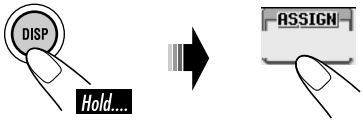
4 Repeat steps 1 to 3 until you finish entering the title.

4



To erase the entire title

In step **3** on the left....



Available characters on the display

In addition to the Roman alphabets (A – Z, a – z), the following characters will be used.
- These characters are also used to show the various information on the display.

Upper case

Á	À	Â	Ä	Ã	Å	Æ	Œ	Č	Ć	Ç	É	È	Ê
Ë	Ğ	Í	Ì	Î	Ï	Ñ	Ó	Ò	Ô	Ö	Õ	Ø	Ř
Ŕ	Š	Ś	Ş	Ú	Ù	Û	Ü	Ý	Ž	Ź	ß	Þ	Ŋ
Đ	Ŧ	Ľ	İ	Ų	ð	space							

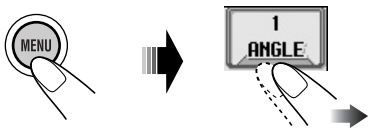
Lower case

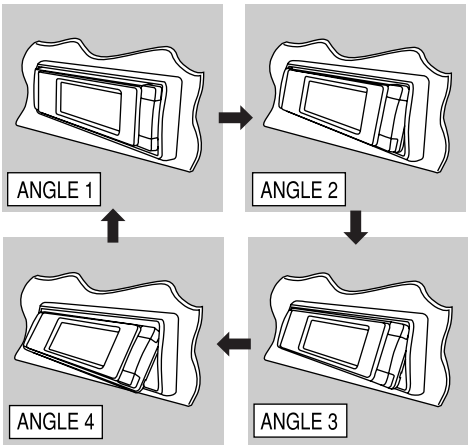
á	à	â	ä	ã	å	æ	œ	č	ć	ç	é	è	ê
ë	ě	ğ	í	ì	î	ï	ñ	ň	ń	ó	ò	ô	ö
õ	ø	ő	ř	ŕ	š	ś	ş	ú	ù	û	ü	ű	ŵ
ý	ŷ	ž	ź	ÿ	þ	ŋ	đ	ŧ	ľ	ı	ij	space	

Numbers and symbols

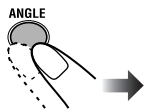
0	1	2	3	4	5	6	7	8	9	!	”	#	$
%	&	’	(	)	*	+	,	–	.	/	:	;	<
=	>	?	@	_	`	¡	¿	£	€	α	space		

Changing the control panel angle

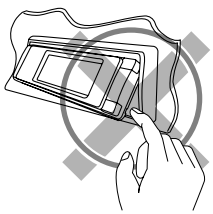




When using the remote controller....



Caution:



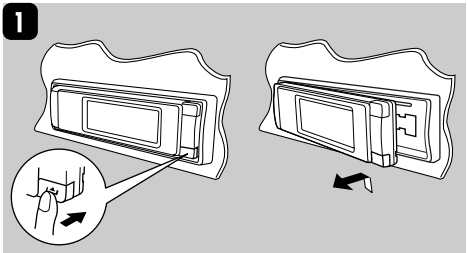
Detaching the control panel

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

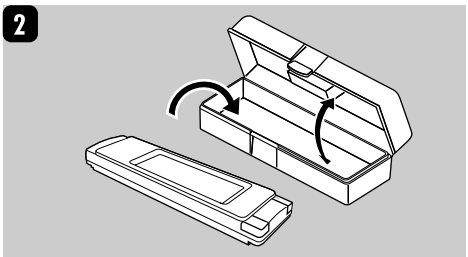
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

1

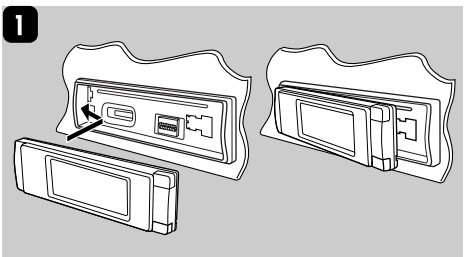


2

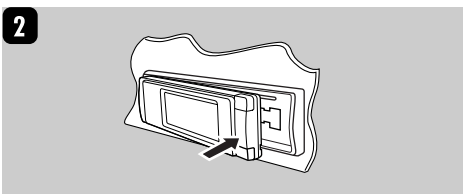


Attaching the control panel

1



2

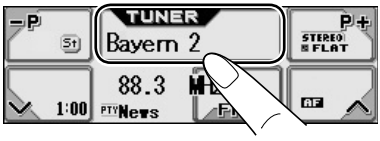


External component operations

You can connect an external component to the LINE IN plugs on the rear—LINE-IN and another to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied)—EXT-IN.

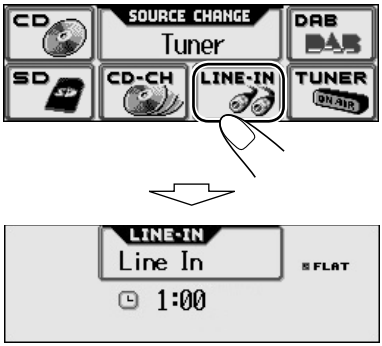
- For connection, see Installation/Connection Manual (separate volume).

1

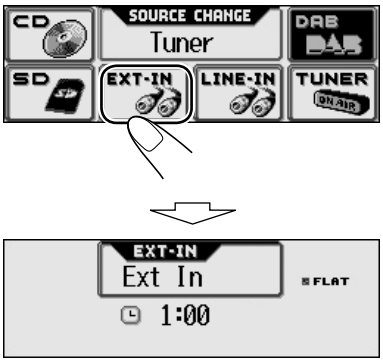


2

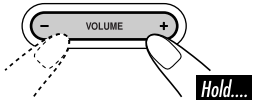
- **To select "LINE-IN"**



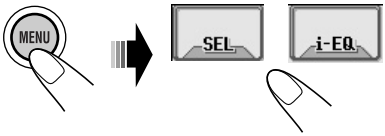
- **To select "EXT-IN"**
  Before operating the external component, select the external input correctly (see page 34).



3 **Adjust the volume.**



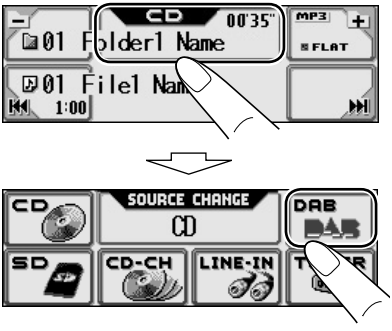
4 **Adjust the sound as you want. (See pages 24 and 25.)**



ENGLISH

Listening to the DAB tuner

1 **Select "DAB."**



2 **Select the band (DAB1/DAB2/DAB3).**

3 **Start searching for an ensemble.**

When an ensemble is received, searching stops.
To stop searching, press the same icon again.

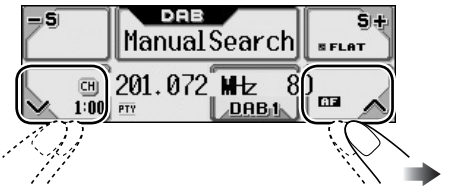
4 **Select a service (either primary or secondary) to listen to.**

To tune in to an ensemble manually

In step ❸ on the left...

1

2 **Select the desired ensemble frequencies.**



What is DAB system?

DAB can deliver CD quality sound without any annoying interference and signal distortion. Furthermore, it can carry text, pictures, and data. When transmitting, DAB combines several programmes (called "services") to form one "ensemble." In addition, each "service"—called "primary service"—can also be divided into its components (called "secondary service"). A typical ensemble has six or more programmes (services) broadcast at the same time.

By connecting the DAB tuner, this receiver can do the following:

- Tracing the same programme automatically —Alternative Reception (see "DAB AF" on page 33).

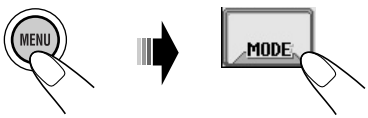
It is recommended to use DAB (Digital Audio Broadcasting) tuner KT-DB1000 with your receiver. If you have another DAB tuner, consult your JVC IN-CAR ENTERTAINMENT dealer.

- Refer also to the Instructions supplied for your DAB tuner.

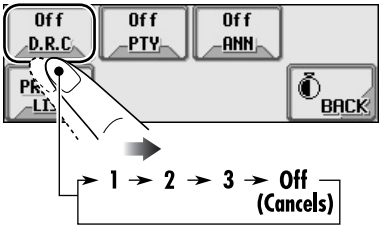
When surrounding sounds are noisy

Some service provides Dynamic Range Control (DRC) signals together with their regular programme signals. DRC will reinforce the low level sounds to improve for your listening.

1

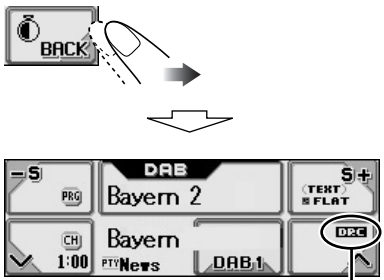


2 **Select one of the DRC signals level (1, 2, or 3).**



The reinforcement increases from 1 to 3.

3 **Exit from the setting.**



DRC indicator appears.

- The DRC indicator will be highlighted (DRC) only when receiving DRC signals from the tuned service.

To search for your favorite service

You can search for either Dynamic or Static PTY codes.

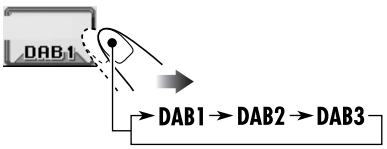
- Operations are exactly the same as explained on page 12 for FM RDS stations.
- You cannot store PTY codes separately for the DAB tuner and the FM tuner.
- Search will be performed on the DAB tuner only.

Storing DAB services in memory

You can preset 6 DAB services (primary) for each band.

Ex.: Storing an ensemble (primary service) into the preset number 1 of the DAB1 band.

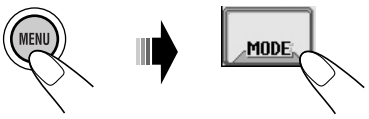
1



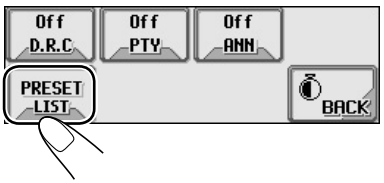
2 Select an ensemble (primary service).

- Holding S+ or −S can also display the Preset Service List (see step **5**).

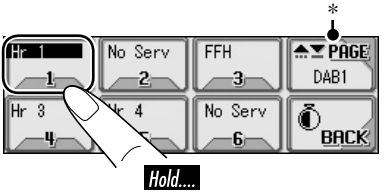
3



4



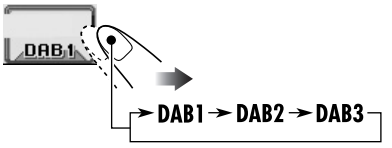
5



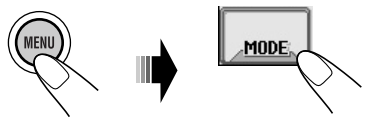
** Moves to the other DAB bands. Do not change the DAB band using this icon while presetting a service; otherwise, preset may fail.*

Tuning in to a preset DAB service

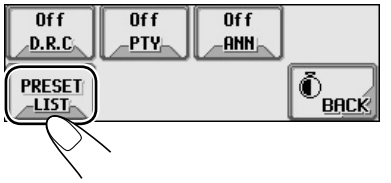
1



2



3



4 Select a preset number.

5 **Change a service if necessary.**

Using the standby reception

You can use three types of Standby Reception.
- Road Traffic News Standby Reception—TA Standby Reception (see the following).
- Announcement Standby Reception (see the right column)
- PTY Standby Reception (see page 44).

Road Traffic News Standby Reception (TA Standby Reception)

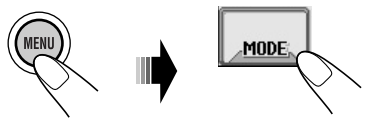
Road Traffic News Standby Reception allows the receiver to switch temporarily to the Road Traffic News (or Traffic Announcement) from any source other than AM. The volume changes to the preset TA volume level (see page 33).
- Operations are exactly the same as explained on page 13 for FM RDS stations.
- You cannot use Road Traffic News Standby Reception (TA Standby Reception) separately for the DAB tuner and FM tuner.

Announcement Standby Reception

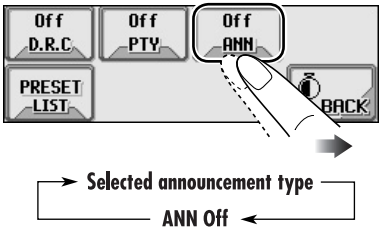
Announcement Standby Reception allows the receiver to switch temporarily to your favorite service (announcement type).
To select your favorite announcement type, see page 33.

To activate the Announcement Standby Reception

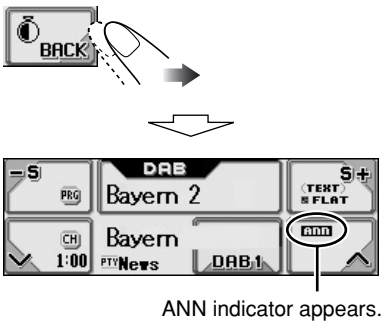
1



2 **Select "ANN On."**



3 **Exit from the setting.**



ANN indicator appears.

- If the ANN indicator lights up,
  Announcement Standby Reception is activated.
- If the ANN indicator flashes,
  Announcement Standby Reception is not yet activated.
  To activate, tune in to another service providing these signals. The ANN indicator will stop flashing and remain lit.

To be continued....

To deactivate the Announcement Standby Reception

Select “ANN Off” in step **2** on page 43.
The ANN indicator goes off.

PTY Standby Reception

PTY Standby Reception allows the unit to switch temporarily to your favorite PTY programme from any source other than AM.

- Operations are exactly the same as explained on page 14 for FM RDS stations.
- PTY Standby Reception for DAB tuner works only using a dynamic PTY code.
- You can activate and deactivate PTY Standby Reception when the source is either “FM” or “DAB.”

Tracing the same programme—Alternative Reception

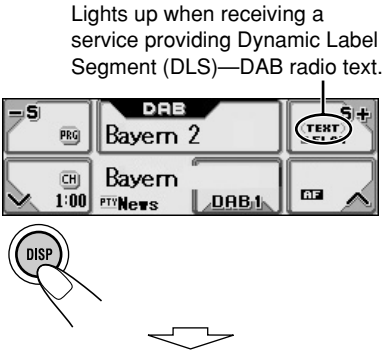
You can keep listening to the same programme by activating the Alternative Reception.

- **While receiving a DAB service:**
  When driving in an area where a DAB service cannot be received, this receiver automatically tunes in to another ensemble or FM RDS station, broadcasting the same programme.
- **While receiving an FM RDS station:**
  When driving in an area where a DAB service is broadcasting the same programme as the FM RDS station is broadcasting, this receiver automatically tunes in to the DAB service.

When shipped from the factory, Alternative Reception is activated.
To deactivate the Alternative Reception, see “AF-Regn’l” on page 33.

To show the Dynamic Label Segment (DLS) information

While listening to an ensemble that supports DLS....



DLS screen is shown.

Maintenance

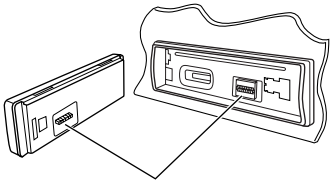
How to clean the touch panel

When removing stains or dust on the surface, turn off the power, then wipe with dry soft cloth.

- Be careful not to scratch the surface when wiping it.
- Do not use the following materials to clean the touch panel:
  - Wet cloth
  - Volatile substance such as benzine and thinner
  - Acid detergent, alkaline detergent, and detergent composed of organic substance
- When using chemically processed duster, read its precautions carefully.

How to clean the connectors

Frequent detachment will deteriorate the connectors.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connector

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the receiver turned on for a few hours until the moisture evaporates.

How to handle discs/SD cards

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

SD cards are precision products. DO NOT impact, bend, drop, or wet them.

To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this receiver may reject the disc.
To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

More about this receiver

Basic operations

General

- The clock in the "BACK" icon on the screen works as the time countdown indicator. If no operation is done for a certain period of time, the current screen goes off, and the source operation screen resumes.

Selecting the source

- When no disc or SD card is loaded in the receiver, "CD" or "SD" cannot be selected.
- Without connecting to the CD changer or DAB tuner, "CD-CH" or "DAB" cannot be selected.
- To select the "EXT-IN" for the playback source, set the "Ext Input" setting correctly (see page 34).

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
  - All previously stored stations are erased and stations are stored newly.
  - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

FM RDS operations

- Network-Tracking Reception requires two types of RDS signals—PI (Programme Identification) and AF (Alternative Frequency) to work correctly. Without receiving these data correctly, Network-Tracking Reception will not operate.
- If a DAB tuner is connected and Alternative Reception for DAB services (DAB AF) is activated, Network-Tracking Reception (AF-Regn'l) is also activated automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception. (See page 33.)
- TA Standby Reception and PTY Standby Reception will be temporarily canceled while listening to an AM station.
- Message service requires the RDS Radiotext signal. It is available on most major stations. If reception is weak, the service may become unavailable. For any questions regarding the content of this service, please contact your broadcaster.
- If you want to know more about RDS, visit <http://www.rds.org.uk>.

Disc/SD card operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This receiver has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA format and MP3/WMA files recorded in a SD card.

- When a disc or SD card has been loaded, selecting “CD” or “SD” for the playback source starts playback.
- When a track or folder whose number is greater than 99 is selected, the icon before the number (, , ,) goes off (to show its assigned 3-digit number).

Inserting a disc

- When a disc is inserted upside down, the control panel moves down, and the disc automatically ejects from the loading slot.
- If you keep the control panel open for about 1 minute, the control panel returns to its previous position.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a disc/SD card

- While playing an audio CD: If a title has been assigned to the audio CD (see page 37), it will be shown on the display.
- While fast-forwarding or reversing an MP3 or WMA track, you can only hear intermittent sounds.
- While playing a SD card, the playback order may differ from other SD players.
- This receiver may be unable to play back some SD card due to their characteristics or recording conditions.
- This receiver cannot play back mini SD card and MMC.
- If the inserted SD card does not have the correct files, “SD” is skipped.

Playing a CD-R or CD-RW

- Use only “finalized” CD-Rs or CD-RWs.
- This receiver can play back only the files of the same type which is first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this receiver because of their disc characteristics, and for the following causes:
  – Discs are dirty or scratched.
  – Moisture condensation occurs on the lens inside the receiver.
  – The pickup lens inside the receiver is dirty.
  – CD-R/CD-RW on which the files are written with “Packet Write” method.
  – Improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
  – Discs with stickers, labels, or protective seal stuck to the surface.
  – Discs on which labels can be directly printed by an ink jet printer.

  Using these discs under high temperatures or high humidities may cause malfunctions or damages to discs.

Playing an MP3/WMA track

- This receiver can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This receiver can show the names of albums, artists (performer), and ID3 Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This receiver can display only one-byte characters. No other characters can be correctly displayed (see page 37).
- This receiver can play back MP3/WMA files meeting the conditions below:
  – Bit rate: 8 kbps — 320 kbps
  – Sampling frequency:
    48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
    24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
    48 kHz, 44.1 kHz, 32 kHz (for WMA)
  – Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name

To be continued....

- For MP3/WMA discs:
  The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
  – ISO 9660 Level 1: up to 12 characters
  – ISO 9660 Level 2: up to 31 characters
  – Romeo*: up to 128 (72) characters
  – Joliet*: up to 64 (36) characters
  – Windows long file name*: up to 128 (72) characters
  * *The parenthetic figure is the maximum number of characters for file/folder names in case the total number of files and folders is 313 or more.*
- For SD cards:
  The maximum number of characters for folder name is 8 characters; file name is 12 characters.
  The receiver cannot recognize folder with period (.) on the folder name.
- This receiver can recognize the total of 512 files, of 200 folders, and of 8 hierarchies of an MP3/WMA disc; 255 files and 63 folders of an SD card.
- This receiver can play back the files recorded in VBR (variable bit rate).
  The files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.
- This receiver cannot play back the following files:
  – MP3 files encoded with MP3i and MP3 PRO format.
  – MP3 files encoded in an unappropriated format.
  – MP3 files encoded with Layer 1/2.
  – WMA files encoded with lossless, professional, and voice format.
  – WMA files which are not based upon Windows Media® Audio.
  – WMA files copy-protected with DRM.
  – Files which have the data such as WAVE, ATRAC3, etc.
- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
  Next time you select “CD,” “SD,” or “CD-CH” for the playback source, disc play starts from where it has been stopped previously.

ImageLink

- ImageLink will not work in the following cases:
  – If no <jll> file is included in an MP3/WMA folder.
  – If Intro Scan is activated.
  – If the source is changed to another from “CD” or “SD.”
  – If more than one <jll> file are included in a folder, a file with the youngest file number is used for the graphic screen.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

Sound adjustment

General

- Sound adjustments cannot affect the Voice Support System (VSS: see page 34) output. VSS sound always comes out of all speakers connected.
- If you are using a two-speaker system, set the fader level to “0.”
- Subwoofer out setting takes effect only when a subwoofer is connected.
- You cannot change the input level—Volume Adjustment—of the FM stations. If the source is FM, “Fix” will appear when you try to adjust it.

Storing your own sound modes

- If you do not want to store your current adjustment, but only to apply the adjustment to the current playback source, press "BACK" repeatedly to go back to the operation screen of the current source. Adjustment you made remains effective until you select a sound mode.

Graphic displays

Downloading (or deleting) files

- You can download a file only while selecting "CD" or "SD" for the playback source; on the other hand, you can delete a file while selecting any source.
- If you have already downloaded an animation for "OPENING," "ENDING," or "MOVIE," downloading a new animation deletes the previously stored animation.
- It takes a long time to download an animation.
  – About 3 to 4 seconds for a still image (one frame).
  – About 1 to 2 minutes for an animation of 30 frames.
  – About 4 minutes for an animation of 90 frames.
- If a disc inserted does not include any <jll> and <jla> files, beeps sound when you try to operate the downloading procedure.
- If you try to store a 31st image for picture screen, "Picture Full" appears and you cannot start downloading. Delete unwanted files before downloading.
- If the total frame number of an animation downloaded exceeds the following number, the frames exceeding that numbers are ignored.
  – For "OPENING" and "ENDING": 30
  – For "MOVIE": 90

General settings—PSM

- "Auto Dimmer" may not work correctly on some vehicles, particularly on those having a control dial for dimming. In this case, change the "Dimmer" setting to any one other than "Auto."
- If "LCD Type" is set to "Auto," the display pattern will change to the "Positive" or "Negative" pattern depending on the "Dimmer" setting.
- If you change the "Amp Gain" setting from "High PWR" to "Low PWR" while the volume level is set higher than "Volume 30," the receiver automatically changes the volume level to "Volume 30."

Other main functions

Assigning titles to the sources

- If you try to assign a title to a 31st disc, "Name Full" appears and you cannot enter the text entry mode. Delete unwanted titles before assignment.
- Titles assigned to discs in the CD changer can also be shown if you playback the disc from the receiver.

DAB tuner operations

- PTY Standby Reception works for the DAB tuner only using a Dynamic PTY, but not a Static PTY.
- TA Standby Reception for FM RDS station and Road Traffic News Standby Reception for DAB cannot be set separately. The T/P button always work for the both Standby Reception modes when the DAB tuner is connected.

Troubleshooting

ENGLISH

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	• Screens suddenly goes off.	There is a time limit for some operations.	Finish the operation within the time limit.
	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	• The receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).
	• "Connect Error" appears on the display.	The control panel is not attached correctly.	Remove the control panel, wipe the connector, then attach it again (see page 45).
	• "Push Reset" appears on the display and the control panel movement is freezed.	Something is blocking the control panel movement.	Reset the receiver (see page 2). If this does not work, check the installation.
FM/AM	• SSM automatic presetting does not work.	Signals are too weak.	Store stations manually.
	• Static noise while listening to the radio.	The aerial is not connected firmly.	Connect the aerial firmly.
	• "No Text" appears on the display.	The station does not support RDS RT or the reception is weak.	Check the Network-Tracking Reception (see page14).
	• "Loading" does not disappear.	The receiving signal is temporarily too weak to receive a complete message although the service is available.	Check the Network-Tracking Reception (see page14).
Disc playback	• The receiver needs some time to start playback the audio CD.	The built-in shock-proof circuit is working.	———
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	CD-R/CD-RW is not finalized.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc cannot be ejected.	Disc is locked.	Unlock the disc (see page 20).
	• Disc cannot be recognized ("No Disc," "Loading Error," or "Eject Error" flashes).	The CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).

	Symptoms	Causes	Remedies
Disc playback	• Disc sound is sometimes interrupted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
MP3/WMA disc/SD card playback	• "No Files" appears on the display for a while.	No MP3/WMA tracks are recorded.	Change the disc or the SD card.
		MP3/WMA tracks do not have the extension code <.mp3> or <.wma> in their file names.	Add the extension code <.mp3> or <.wma> to their file names.
		MP3/WMA tracks are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc or the SD card. (Record MP3/WMA tracks using a compliant application.)
	• Noise is generated.	The track played back is not an MP3/WMA track (although it has the extension code <.mp3> or <.wma>).	Skip to another track or change the disc or the SD card. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded.	———
	• "Not Support" appears on the display and track skips.	• Tracks are not encoded in an appropriate format. • Copy-protected WMA tracks cannot be played back.	Skip to the next track.
	• "No Music" appears on the display.	• No MP3/WMA tracks are recorded on the disc. • Only <jll> and/or <jla> files are recorded on the disc.	Change the disc or the SD card.
	• "SD Loading Error" appears on the display.	SD card is not inserted correctly.	Detach the control panel and reinsert the SD card. The control panel goes back to ANGLE 1. (See pages 18 and 38.)
	• "Read Failed" appears on the display.	Tracks are not encoded in an appropriate format.	Use SD card formatted in FAT 12/16.
		The SD card or tracks cannot be played back.	Change the SD card.

To be continued....

	Symptoms	Causes	Remedies
Graphics	• Download does not seem to finish.	It takes quite a long time to download an animation of many frames (see page 49).	———
	• Opening and ending animation does not appear.	"KeyIn CFM" is set to "Off."	Select "On" (see page 31).
	• Animation does not move.	Temperature inside the car is below 0°C—LowTEMP appears on the display.	Wait until the operating temperature resumes.
	• The entire animation has not been downloaded.	"OPENING" and "ENDING" can only memorize 30 frames of the animation even it includes 90 frames.	———
Preferred setting modes—PSM	• "MOVIE" category settings do not take effect.	Temperature inside the car is below 0°C—LowTEMP appears on the display.	Wait until the operating temperature resumes.
	• You cannot select an image for "UserPict." ("---------" appears for the file name on the lower part of the display).	No files are downloaded yet.	Select an image only after downloading the appropriate files in memory.
CD changer	• "No Magazine" flashes on the display.	No magazine is loaded in the CD changer.	Insert the magazine.
	• "No Disc" flashes on the display.	Disc is inserted upside down.	Insert disc correctly.
		No disc is in the magazine.	Insert disc into the magazine.
	• "Reset 08" flashes on the display.	This receiver is not connected to the CD changer correctly.	Connect this receiver and the CD changer correctly and press the reset button of the CD changer.
	• "Reset 01" – "Reset 07" flashes on the display.	The CD player may have functioned incorrectly.	Press the reset button of the CD changer.
	• The CD changer does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:
Front: 52 W per channel
Rear: 52 W per channel
Continuous Power Output (RMS):
Front: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Rear: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Equalizer Control Range:
Frequencies: 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 12 kHz
Level: ±10 dB
Frequency Response: 40 Hz to 20 000 Hz
Signal-to-Noise Ratio: 70 dB
Line-Out Level/Impedance:
5.0 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ
Subwoofer-Out Level/Impedance:
5.0 V/20 kΩ load (full scale)
Other Terminals: LINE IN, CD changer, Steering wheel remote input

TUNER SECTION

Frequency Range:
FM: 87.5 MHz to 108.0 MHz
AM: (MW) 522 kHz to 1 620 kHz
(LW) 144 kHz to 279 kHz

[FM Tuner]
Usable Sensitivity: 11.3 dBf (1.0 µV/75 Ω)
50 dB Quieting Sensitivity:
16.3 dBf (1.8 µV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 30 dB
Capture Ratio: 1.5 dB

[MW Tuner]
Sensitivity: 20 µV
Selectivity: 65 dB

[LW Tuner]
Sensitivity: 50 µV

CD/SD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of Channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 98 dB
Signal-to-Noise Ratio: 102 dB
Wow and Flutter: Less than measurable limit
MP3 (MPEG Audio Layer 3):
Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio):
Max. Bit Rate: 192 kbps
Playable SD Card: Format: Fat 12/16
Storage: Up to 512 MB
Playable Audio Format for SD Card:
MP3/WMA

GENERAL

Power Requirement:
Operating Voltage:
DC 14.4 V (11 V to 16 V allowance)
Grounding System: Negative ground
Allowable Operating Temperature:
0°C to +40°C
Dimensions (W × H × D):
Installation Size (approx.):
182 mm × 52 mm × 159 mm
Panel Size (approx.):
188 mm × 58 mm × 13 mm
Mass (approx.): 1.9 kg (excluding accessories)

Design and specifications are subject to change without notice.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- SD logo is a trademark.

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

Vous avez des PROBLÈMES de fonctionnement?

Réinitialisez votre appareil

Référez-vous à la page intitulée Comment réinitialiser votre appareil

JVC

EN, FR

© 2004 Victor Company of Japan, Limited

1204DTSMDTJEIN

KD-LHX552/KD-LHX551

Installation/Connection Manual
Manuel d'installation/raccordement

GET0284-010A
[EX/EU]

1204DTSMDTJEIN
EN, FR

ENGLISH

This receiver is designed to operate on **12 V DC, NEGATIVE ground electrical systems.** If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC IN-CAR ENTERTAINMENT dealers.

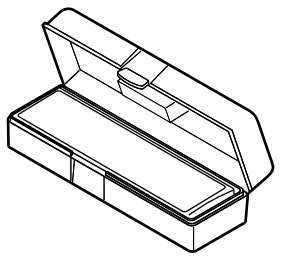
FRANÇAIS

Cet appareil est conçu pour fonctionner sur des sources de **courant continu de 12 V à masse NEGATIVE**. Si votre véhicule n'offre pas ce type d'alimentation, il vous faut un convertisseur de tension, que vous pouvez acheter chez un revendeur d'autoradios JVC.

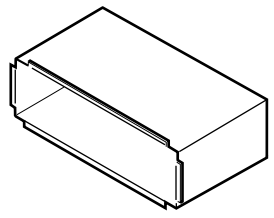
Parts list for installation and connection

The following parts are provided for this receiver.
After checking them, please set them correctly.

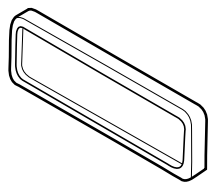
Ⓐ / Ⓑ
Hard case/Control panel
Etui de transport/Panneau de commande



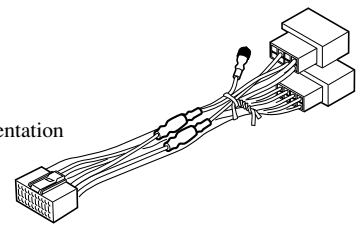
Ⓒ
Sleeve
Manchon



Ⓓ
Trim plate
Plaque d'assemblage



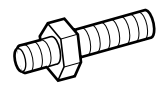
Ⓔ
Power cord
Cordon d'alimentation



Ⓕ
Washer (ø5)
Rondelle (ø5)

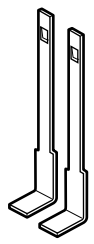
Ⓖ
Lock nut (M5)
Ecrou d'arrêt (M5)

Ⓗ
Mounting bolt (M5 x 20 mm)
Boulon de montage (M5 x 20 mm)

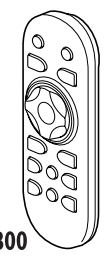


Ⓘ
Rubber cushion
Amortisseur en caoutchouc

Ⓙ
Handles
Poignées



Ⓚ
Remote controller
Télécommade



Ⓛ
Battery
Pile

Ⓜ
CD-ROM
(Image Converter: Wide Ver 1.2)
CD-ROM
(Image Converter: Wide Ver 1.2)

INSTALLATION (IN-DASH MOUNTING)

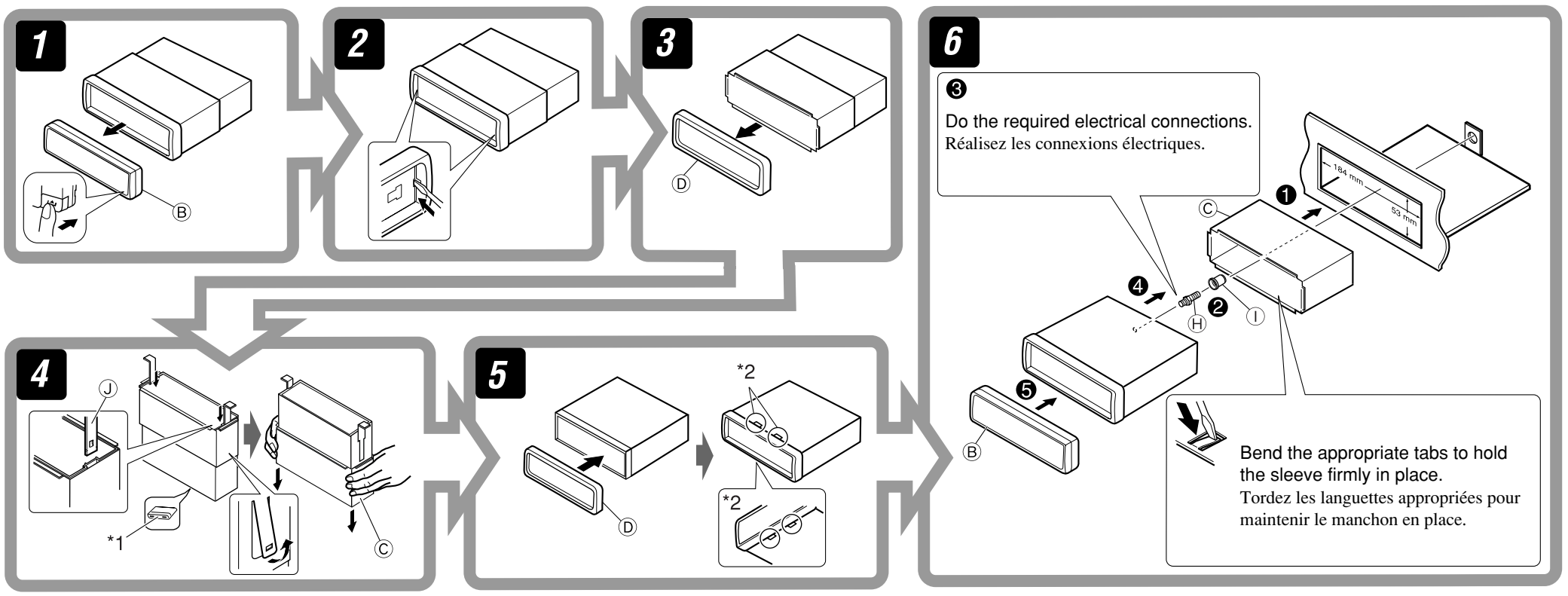
The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

- If you are not sure how to install this receiver correctly, have it installed by a qualified technician.

INSTALLATION (MONTAGE DANS LE TABLEAU DE BORD)

L'illustration suivante est un exemple d'installation typique. Si vous avez des questions ou avez besoin d'information sur des kits d'installation, consulter votre revendeur d'autoradios JVC ou une compagnie d'approvisionnement.

- Si l'on n'est pas sûr de pouvoir installer correctement cet appareil, le faire installer par un technicien qualifié.



*1 When you stand the receiver, be careful not to damage the fuse on the rear.
*1 Lorsque vous mettez l'appareil à la verticale, faire attention de ne pas endommager le fusible situé sur l'arrière.

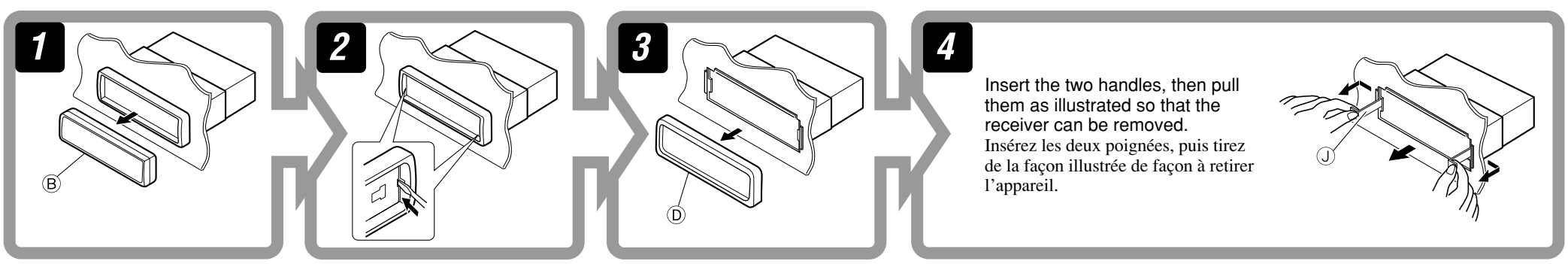
*2 Fit the protrusions outside the receiver.
*2 Fixez les protubérances à l'extérieur de l'appareil.

Removing the receiver

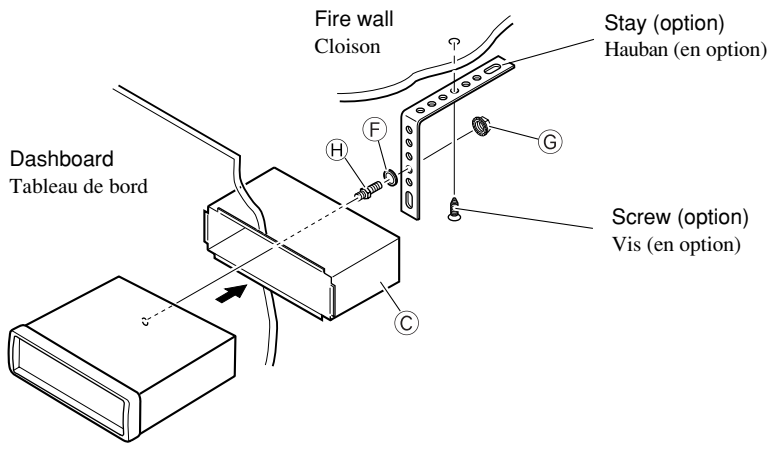
Before removing the receiver, release the rear section.

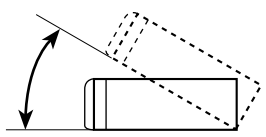
Retrait de l'appareil

Avant de retirer l'appareil, libérer la section arrière.


1
B
2
3
D
4
Insert the two handles, then pull them as illustrated so that the receiver can be removed.
Insérez les deux poignées, puis tirez de la façon illustrée de façon à retirer l'appareil.
J

When using the optional stay / Lors de l'utilisation du hauban en option



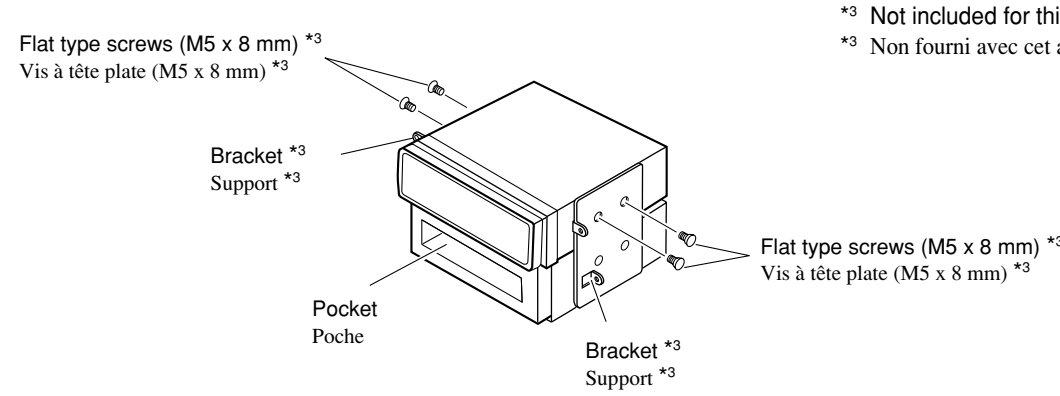


Install the receiver at an angle of less than 30˚.
Installez l'appareil avec un angle de moins de 30˚.

When installing the receiver without using the sleeve / Lors de l'installation de l'appareil scans utiliser de manchon

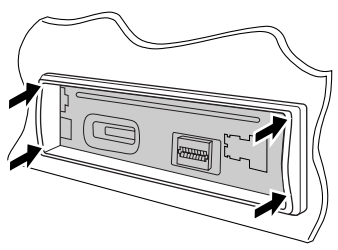
In a Toyota for example, first remove the car radio and install the receiver in its place.
Par exemple dans une Toyota, retirer d'abord l'autoradio et installer l'appareil à la place.

*3 Not included for this receiver.
*3 Non fourni avec cet appareil.


Flat type screws (M5 x 8 mm) *3
Vis à tête plate (M5 x 8 mm) *3
Bracket *3
Support *3
Flat type screws (M5 x 8 mm) *3
Vis à tête plate (M5 x 8 mm) *3
Pocket
Poche
Bracket *3
Support *3

Note : When installing the receiver on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the receiver.
Remarque : Lors de l'installation de l'appareil sur le support de montage, s'assurer d'utiliser des vis d'une longueur de 8 mm. Si des vis plus longues sont utilisées, elles peuvent endommager l'appareil.

Caution when installing / Précautions lors de l'installation:

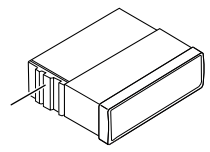


Fit the receiver into the mounting sleeve by using four corners of the trim plate.
• DO NOT press the panel (shaded in the illustration).
Fixez l'autoradio sur le manchon de montage en utilisant les quatre coins de la plaque de garniture.
• NE POUSSEZ PAS sur le panneau (en gris sur l'illustration).

ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the receiver.
• **Be sure to ground this receiver to the car's chassis again after installation.**

Notes:
• Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
• It is recommended to connect to the speakers with maximum power of more than 52 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 52 W, change "Amp Gain" setting to prevent the speakers from being damaged (see page 34 of the INSTRUCTIONS).
• To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
• The heat sink becomes very hot after use. Be careful not to touch it when removing this receiver.

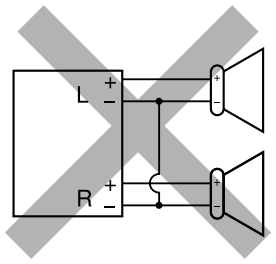


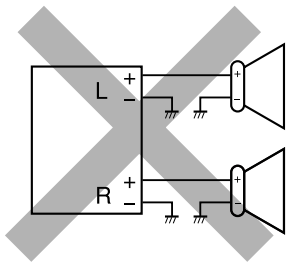
RACCORDEMENTS ELECTRIQUES

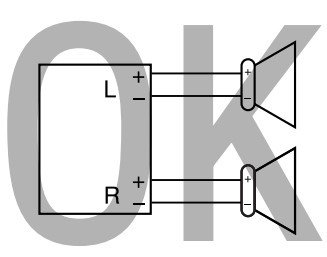
Pour éviter tout court-circuit, nous vous recommandons de débrancher la borne négative de la batterie et d'effectuer tous les raccordements électriques avant d'installer l'appareil.
• **Assurez-vous de raccorder de nouveau la mise à la masse de cet appareil au châssis de la voiture après l'installation.**

Remarques:
• Remplacer le fusible par un de la valeur précisée. Si le fusible saute souvent, consulter votre revendeur d'autoradios JVC.
• Il est recommandé de connecter des enceintes avec une puissance de plus de 52 W (les enceintes arrière et les enceintes avant, avec une impédance comprise entre **4 Ω et 8 Ω**). Si la puissance maximum est inférieure à 52 W, changez "Gain Amp" pour éviter d'endommager vos enceintes (voir page 34 du MANUEL D'INSTRUCTIONS).
• Pour éviter les court-circuits, couvrir les bornes des fils qui ne sont PAS UTILISÉS avec de la bande isolante.
• Le dissipateur de chaleur devient très chaud après usage. Faire attention de ne pas le toucher en retirant cet appareil.

PRECAUTIONS on power supply and speaker connections:
• **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the receiver will be seriously damaged.**
• BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.







PRECAUTIONS sur l'alimentation et la connexion des enceintes:
• **NE CONNECTEZ PAS les fils d'enceintes du cordon d'alimentation à la batterie; sinon, l'appareil serait sérieusement endommagé.**
• AVANT de connecter les fils d'enceintes du cordon d'alimentation aux enceintes, vérifiez le câblage des enceintes de votre voiture.

TROUBLESHOOTING

• **The fuse blows.**
* Are the red and black leads connected correctly?

• **Power cannot be turned on.**
* Is the yellow lead connected?

• **No sound from the speakers.**
* Is the speaker output lead short-circuited?

• **Sound is distorted.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

• **Noise interfere with sounds.**
* Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?

• **Receiver becomes hot.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

• **This receiver does not work at all.**
* Have you reset your receiver?

EN CAS DE DIFFICULTES

• **Le fusible saute.**
* Les fils rouge et noir sont-ils racordés correctement?

• **L'appareil ne peut pas être mise sous tension.**
* Le fil jaune est-elle raccordée?

• **Pas de son des enceintes.**
* Le fil de sortie d'enceinte est-il court-circuité?

• **Le son est déformé.**
* Le fil de sortie d'enceinte est-il à la masse?
* Les bornes "–" des enceintes gauche et droit sont-elles mises ensemble à la masse?

• **Interférence avec les sons.**
* La prise arrière de mise à la terre est-elle connectée au châssis de la voiture avec un cordon court et épais?

• **L'appareil devient chaud.**
* Le fil de sortie d'enceinte est-il à la masse?
* Les bornes "–" des enceintes gauche et droit sont-elles mises ensemble à la masse?

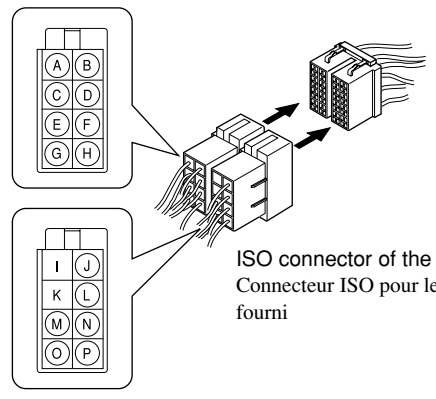
• **Cet appareil ne fonctionne pas du tout.**
* Avez-vous réinitialisé votre appareil?

ENGLISH

FRANÇAIS

A If your car is equipped with the ISO connector / Si votre voiture est équippée d'un connecteur ISO

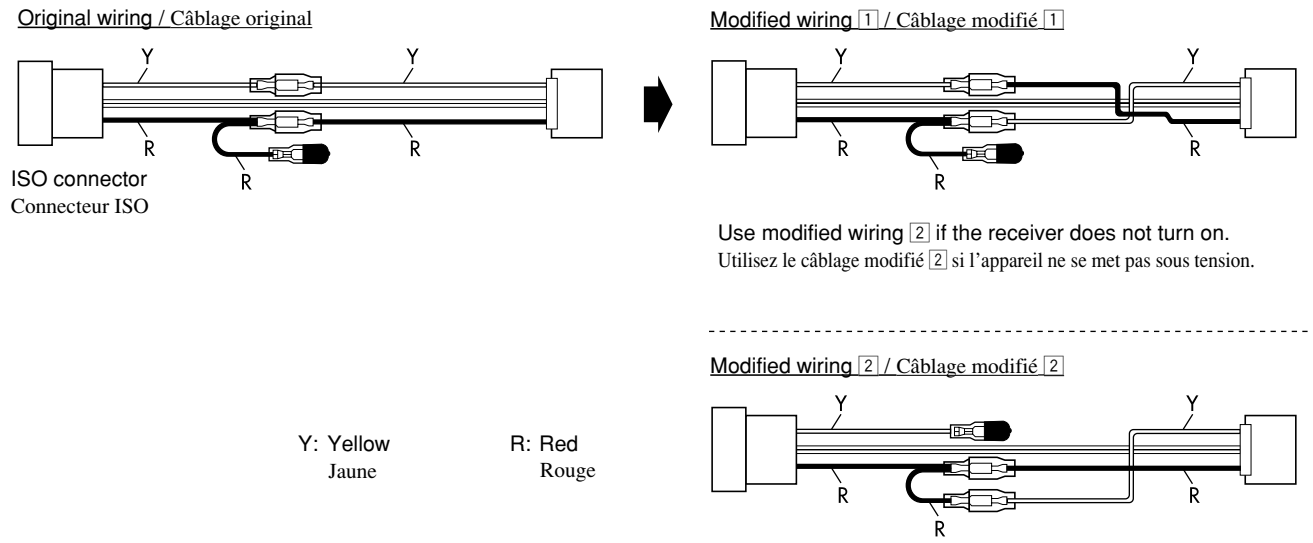
- Connect the ISO connectors as illustrated.
- Connectez les connecteurs ISO comme montré sur l'illustration.


A B C D E F G H
I J K L M N O P
From the car body
De la carrosserie de la voiture
ISO connector of the supplied power cord
Connecteur ISO pour le cordon d'alimentation fourni
View from the lead side
Vue à partir du côté des fils

For some VW/Audi or Opel (Vauxhall) automobile / Pour certaine voiture VW/Audi ou Opel (Vauxhall)

You may need to modify the wiring of the supplied power cord as illustrated.
- Contact your authorized car dealer before installing this receiver.

Vous aurrez peut-être besoin de modifier le câblage du cordon d'alimentation fourni comme montré sur l'illustration.
- Contactez votre revendeur automobile autorisé avant d'installer l'appareil.


Original wiring / Câblage original
Y
R
ISO connector
Connecteur ISO
Modified wiring 1 / Câblage modifié 1
Use modified wiring 2 if the receiver does not turn on.
Utilisez le câblage modifié 2 si l'appareil ne se met pas sous tension.
Modified wiring 2 / Câblage modifié 2
Y: Yellow
Jaune
R: Red
Rouge

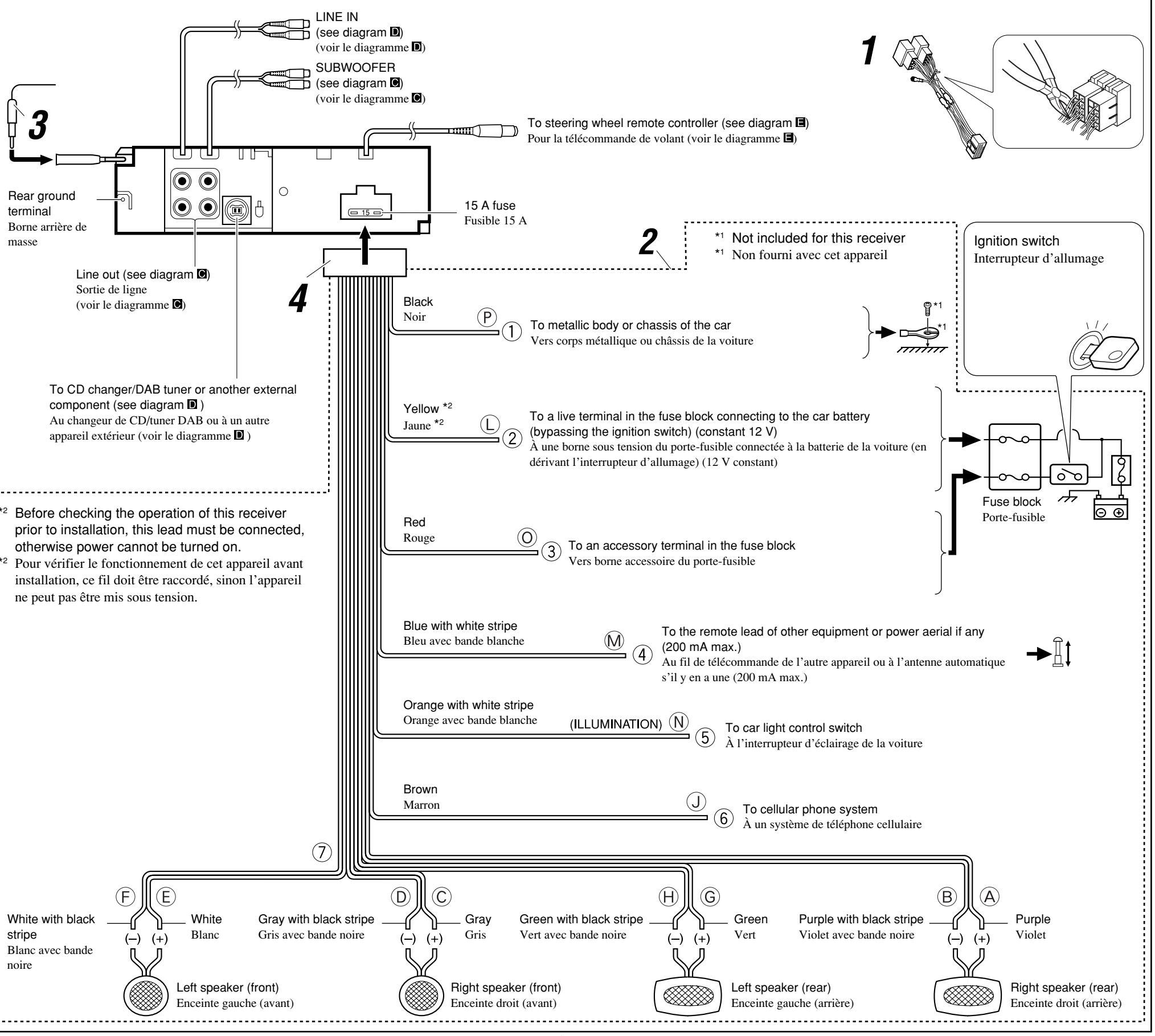
B Connections without using the ISO connectors / Connexions sans l'utilisation des connecteurs ISO

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this receiver.
The leads of the power cord and those of the connector from the car body may be different in color.

1 Cut the ISO connector.
2 Connect the colored leads of the power cord in the order specified in the illustration below.
3 Connect the aerial cord.
4 Finally connect the wiring harness to the receiver.

Avant de commencer la connexion: Vérifiez attentivement le câblage du véhicule. Une connexion incorrecte peut endommager sérieusement l'appareil.
Le fil du cordon d'alimentation et ceux des connecteurs du châssis de la voiture peuvent être différents en couleur.

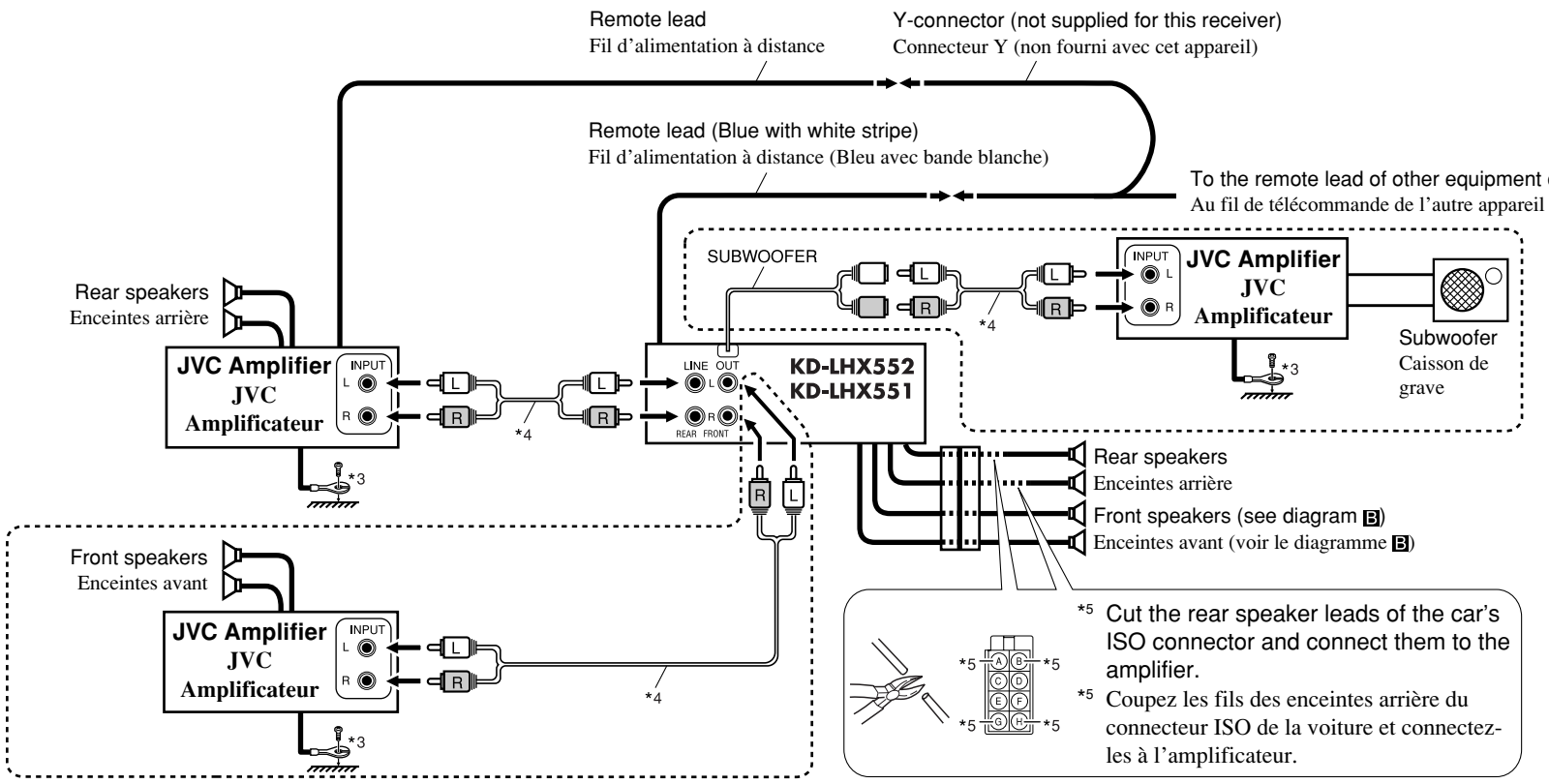
1 Coupez le connecteur ISO.
2 Connectez les fils colorés du cordon d'alimentation dans l'ordre spécifié sur l'illustration ci-dessous.
3 Connectez le cordon d'antenne.
4 Finalement, connectez le faisceau de fils à l'appareil.


LINE IN
(see diagram D)
(voir le diagramme D)
SUBWOOFER
(see diagram C)
(voir le diagramme C)
To steering wheel remote controller (see diagram E)
Pour la télécommande de volant (voir le diagramme E)
1
3
Rear ground terminal
Borne arrière de masse
15 A fuse
Fusible 15 A
Line out (see diagram C)
Sortie de ligne
(voir le diagramme C)
2
*1 Not included for this receiver
*1 Non fourni avec cet appareil
Ignition switch
Interrupteur d'allumage
4
Black
Noir
P
1
To metallic body or chassis of the car
Vers corps métallique ou châssis de la voiture
To CD changer/DAB tuner or another external component (see diagram D)
Au changeur de CD/tuner DAB ou à un autre appareil extérieur (voir le diagramme D)
Yellow *2
Jaune *2
L
2
To a live terminal in the fuse block connecting to the car battery (bypassing the ignition switch) (constant 12 V)
À une borne sous tension du porte-fusible connectée à la batterie de la voiture (en dérivant l'interrupteur d'allumage) (12 V constant)
Fuse block
Porte-fusible
Red
Rouge
O
3
To an accessory terminal in the fuse block
Vers borne accessoire du porte-fusible
*2 Before checking the operation of this receiver prior to installation, this lead must be connected, otherwise power cannot be turned on.
*2 Pour vérifier le fonctionnement de cet appareil avant installation, ce fil doit être raccordé, sinon l'appareil ne peut pas être mis sous tension.
Blue with white stripe
Bleu avec bande blanche
M
4
To the remote lead of other equipment or power aerial if any (200 mA max.)
Au fil de télécommande de l'autre appareil ou à l'antenne automatique s'il y en a une (200 mA max.)
Orange with white stripe
Orange avec bande blanche
(ILLUMINATION)
N
5
To car light control switch
À l'interrupteur d'éclairage de la voiture
Brown
Marron
J
6
To cellular phone system
À un système de téléphone cellulaire
7
F E D C H G B A
(–) (+)
White with black stripe
Blanc avec bande noire
White
Blanc
Left speaker (front)
Enceinte gauche (avant)
Gray with black stripe
Gris avec bande noire
Gray
Gris
Right speaker (front)
Enceinte droit (avant)
Green with black stripe
Vert avec bande noire
Green
Vert
Left speaker (rear)
Enceinte gauche (arrière)
Purple with black stripe
Violet avec bande noire
Purple
Violet
Right speaker (rear)
Enceinte droit (arrière)

C Connecting the external amplifiers / Connexion d'amplificateurs extérieurs

You can connect amplifiers to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this receiver.
- **For amplifier only:**
  – **Disconnect the speakers from this receiver, connect them to the amplifier. Leave the speaker leads of this receiver unused.**
  – You can switch off the built-in amplifier and send the audio signals only to the external amplifier(s) to get clear sounds and to prevent internal heat built-up inside the receiver (see page 34 of the INSTRUCTIONS).
  – The line output level of this receiver is kept high to maintain the hi-fi sounds reproduced from this receiver.
  When connecting an external amplifier to this receiver, turn down the gain control on the external amplifier to obtain the best performance from this receiver.

Vous pouvez connecter des amplificateurs pour améliorer votre système autoradio.
- Connectez le fil de commande à distance (bleu avec bande blanche) au fil de commande à distance de l'autre appareil de façon qu'il puisse être commandé via cet appareil.
- **Pour l'amplificateur seulement:**
  – **Déconnectez les enceintes de cet appareil et connectez-les à l'amplificateur. Laissez les fils d'enceintes de cet appareil inutilisés.**
  – Vous pouvez désactiver l'amplificateur intégré et envoyer les signaux audio uniquement à un ou plusieurs amplificateurs extérieurs afin d'obtenir un son clair et pour éviter un échauffement interne de l'appareil (voir page 34 du MANUEL D'INSTRUCTIONS).
  – Le niveau de sortie de ligne de cet appareil est maintenu à un niveau élevé pour maintenir une qualité Hi-Fi pour les sons reproduits par cet appareil.
  Lors de la connexion d'un amplificateur extérieur à cet appareil, diminuez le réglage du gain sur l'amplificateur extérieur pour obtenir les meilleures performances de cet appareil.



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the receiver.
*3 Attachez solidement le fil de mise à la masse au châssis métallique de la voiture—à un endroit qui n'est pas recouvert de peinture (s'il est recouvert de peinture, enlevez d'abord la peinture avant d'attacher le fil). L'appareil peut être endommagé si cela n'est pas fait correctement.

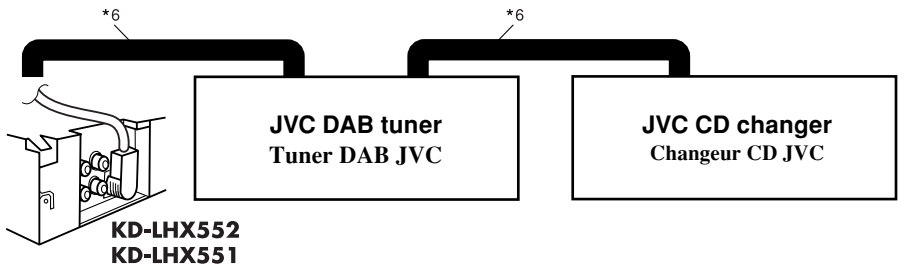
*5 Cut the rear speaker leads of the car's ISO connector and connect them to the amplifier.
*5 Coupez les fils des enceintes arrière du connecteur ISO de la voiture et connectez-les à l'amplificateur.

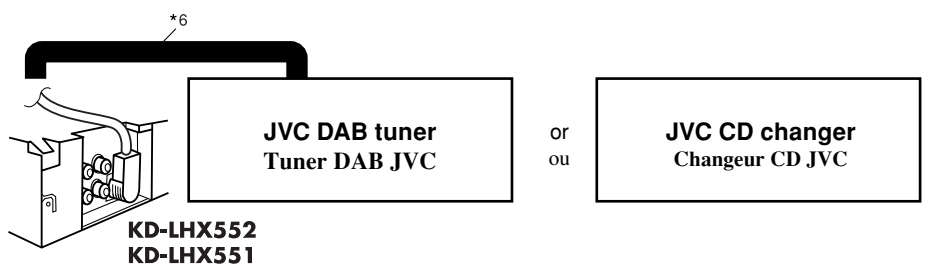
*4 Signal cord (not supplied for this receiver)
*4 Cordon de signal (non fourni avec cet appareil)

D Connecting the external components / Connexion d'un autre appareil extérieur

CD changer and DAB tuner / Changeur CD et tuner DAB

- You can connect both components in series as illustrated below.
- Vous pouvez connecter les deux appareils en série comme montré sur l'illustration.



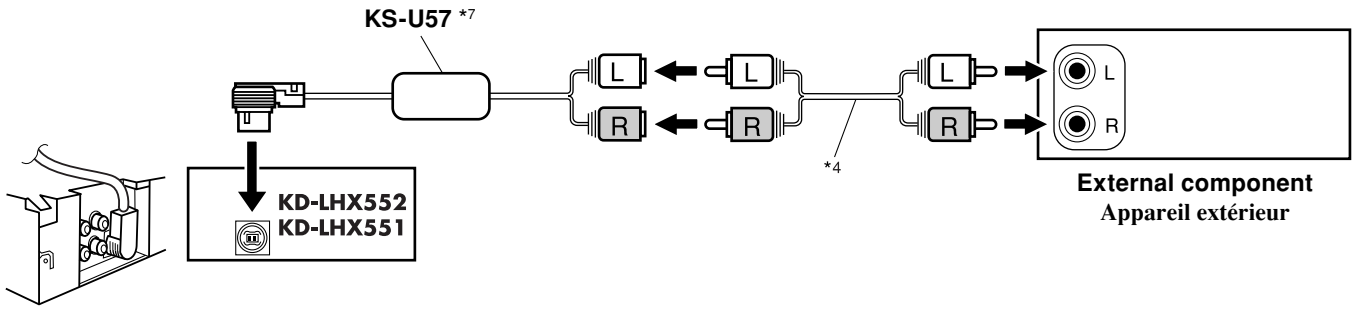


CAUTION / PRECAUTION:
- Before connecting the CD changer and/or DAB tuner, make sure that the receiver is turned off.
- Avant de connecter le changeur CD et/ou le tuner DAB, s'assurer que l'unité est éteinte.

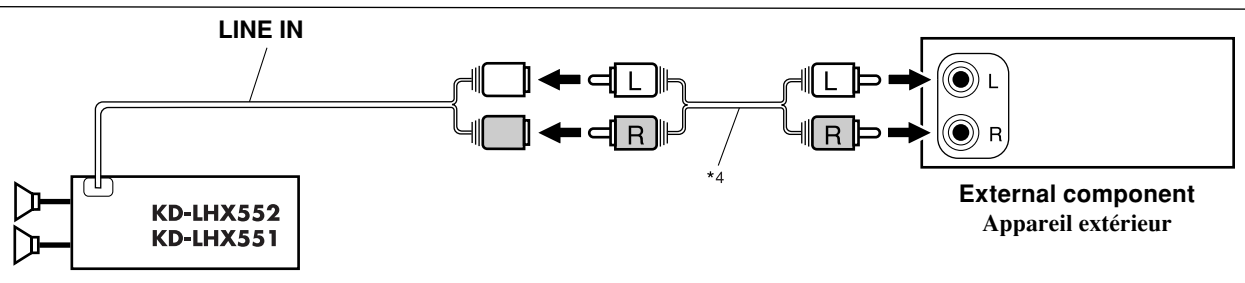
*6 Connecting cord supplied for your CD changer or DAB tuner
*6 Cordon de connexion fourni avec votre changeur CD ou tuner DAB

External Component / Appareil extérieur

- **Set "EXT IN" for the external input setting (see page 34 of the INSTRUCTIONS.) / Choisissez "EXT IN" pour le réglage de l'entrée extérieure (référez-vous à la page 34 du MANUEL D'INSTRUCTIONS).**

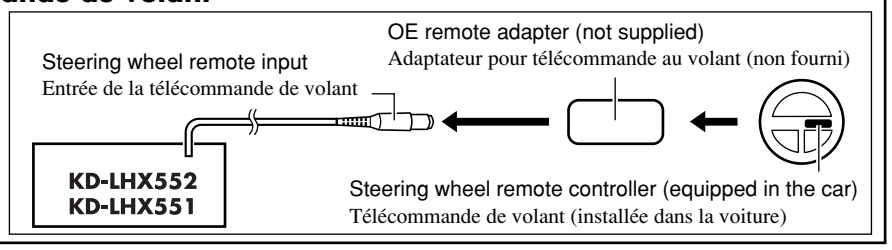


*7 Line Input Adapter KS-U57 (not supplied for this receiver)
*7 Adaptateur d'entrée de ligne KS-U57 (non fourni avec cet appareil)



E Connecting to the steering wheel remote controller / Connexion de la télécommande de volant

If your car is equipped with the steering wheel remote controller, you can operate this receiver using the controller. To do it, a JVC's OE remote adapter (not supplied) which matches with your car is required. Consult your JVC IN-CAR ENTERTAINMENT dealer for details.
Si votre voiture est munie d'une télécommande de volant, vous pouvez commander cet autoradio en utilisant la télécommande. Pour le faire, un adaptateur pour télécommande au volant JVC (non fourni) correspondant à votre voiture est nécessaire. Consultez votre revendeur d'autoradio JVC pour les détails.


OE remote adapter (not supplied)
Adaptateur pour télécommande au volant (non fourni)
Steering wheel remote input
Entrée de la télécommande de volant
KD-LHX552
KD-LHX551
Steering wheel remote controller (equipped in the car)
Télécommande de volant (installée dans la voiture)

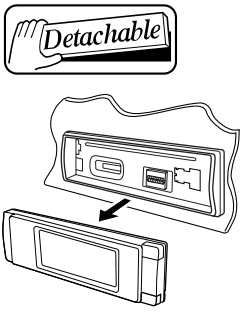
JVC

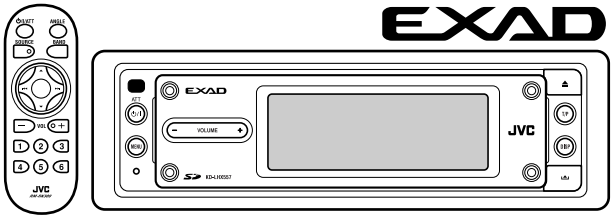
ENGLISH

РУССКИЙ

CD/SD RECEIVER
ПРИЕМНИК С ПРОИГРЫВАТЕЛЕМ КОМПАКТ-ДИСКОВ И SD-КАРТ

KD-LHX557





For installation and connections, refer to the separate manual.
Указания по установке и выполнению соединений приводятся в отдельной инструкции.

В соответствии с Законом Российской Федерации “О защите прав потребителей” срок службы (годности) данного товара “по истечении которого он может представлять опасность для жизни, здоровья потребителя, причинять вред его имуществу или окружающей среде” составляет семь (7) лет со дня производства. Этот срок является временем, в течение которого потребитель данного товара может безопасно им пользоваться при условии соблюдения инструкции по эксплуатации данного товара, проводя необходимое обслуживание, включающее замену расходных материалов и/или соответствующее ремонтное обеспечение в специализированном сервисном центре.

Дополнительные косметические материалы к данному товару, поставляемые вместе с ним, могут храниться в течение двух (2) лет со дня его производства.

Срок службы (годности), кроме срока хранения дополнительных косметических материалов, упомянутых в предыдущих двух пунктах, не затрагивает никаких других прав потребителя, в частности, гарантийного свидетельства JVC, которое он может получить в соответствии с законом о правах потребителя или других законов, связанных с ним.

For canceling the display demonstration, see page 8.
Информацию об отмене демонстрации функций дисплея см. на стр. 8.

INSTRUCTIONS
ИНСТРУКЦИИ ПО ЭКСПЛУАТАЦИИ

GET0285-001A
[EE]

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**ADVARSEL :** Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	**VARNING :** Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	**VARO :** Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)

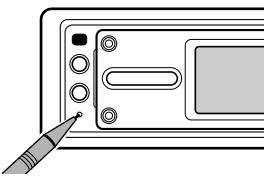
Warning:

If you need to operate the receiver while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

Cautions:

- Do not operate the touch panel using a ball-point pen or a similar tool with the sharp tip (it may damage the touch panel).
- If the temperature inside the car is below 0°C, the movement of animation and text scroll will be halted on the display to prevent the display from being blurred. LowTEMP appears on the display. When the temperature increases, and the operating temperature is resumed, these functions will start working again.

How to reset your unit

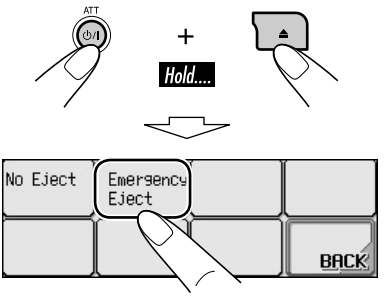


This will reset the microcomputer. Your preset adjustments will also be erased.

How to forcibly eject a disc

If a disc cannot be recognized by the receiver or cannot be ejected, ejects the disc as follows.

- If an SD card is inserted, ejects the SD card first (see page 18).



- *If this does not work, reset your receiver.*
- *Be careful not to drop the disc when it ejects.*

Contents

How to reset your unit 2
How to forcibly eject a disc 2
How to read this manual 4
How to change the display pattern during playback 4

Control panel — KD-LHX557 5
Parts identification 5

Remote controller — RM-RK300 6
Main elements and features 6

Getting started 7
Basic operations 7
Canceling the display demonstrations ... 8
Setting the clock 8

Radio operations 9
Listening to the radio 9
Storing stations in memory 10
Listening to a preset station 11

FM RDS operations 12
Searching for your favorite FM RDS programme 12
Storing your favorite programmes 13
Using the standby receptions 13
Tracking the same programme —Network-Tracking Reception 14
Using the message service —RDS Radiotext (RT) 15

Disc/SD card operations 16
Playing a disc in the receiver 16
Playing discs in the CD changer 17
Playing an SD card 18
Other main functions 20
Selecting the playback modes 23

Sound adjustments 24
Setting the basic sound selection menu—SEL 24
Selecting preset sound modes (i-EQ: intelligent equalizer) 25
Storing your own sound modes 25

Graphic displays 26
Basic procedure 26
Downloading the files 26
Deleting the files 27
Activating the downloaded files 29

General settings — PSM 30
Basic procedure 30
Selecting the dimmer mode 35
Changing the display color 35

Other main functions 37
Assigning titles to the sources 37
Changing the control panel angle 38
Detaching the control panel 38

External component operations 39

DAB tuner operations 40
Listening to the DAB tuner 40
Storing DAB services in memory 42
Tuning in to a preset DAB service 42
Using the standby reception 43
Tracing the same programme —Alternative Reception 44

Maintenance 45

More about this receiver 46

Troubleshooting 50

Specifications 53

ENGLISH

***For safety....**

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

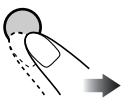
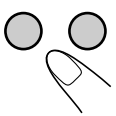
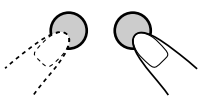
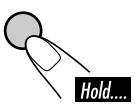
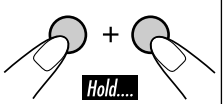
***Temperature inside the car....**

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

How to read this manual

The following methods are used to made the explanations simple and easy-to-understand:

- Some related tips and notes are explained in "More about this receiver" (see pages 46 – 49).
- Button and touch panel operations are mainly explained with the illustrations as follows:

	Press briefly.
	Press repeatedly.
	Press either one.
	
	Press and hold until your desired response begins.
	Press and hold both buttons at the same time.

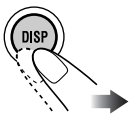
The following marks are used to indicate...

: Built-in CD player operations.

: External CD changer operations.

: SD player operations.

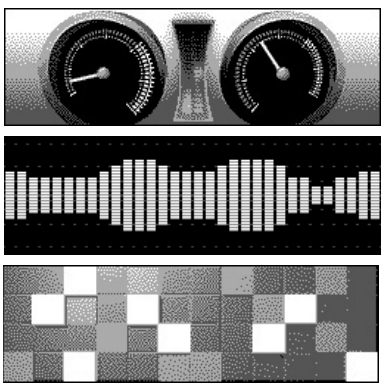
How to change the display pattern during playback



Source operation screen

RDS Radiotext (RT) or DLS screen is shown when the source is "TUNER" or "DAB" (see pages 15 and 44)*.

Clock time is enlarged.



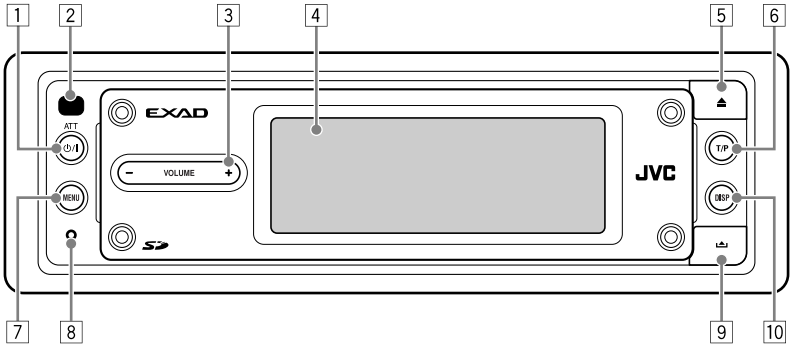
Audio Level Meters*
(see "Theme" on page 32)

Graphic screen* appears only after you have download a file, see pages 26 – 29.

** These screens will be temporarily canceled when you operate the receiver.*

Control panel — KD-LHX557

Parts identification



1 ⏻/I ATT (standby/on attenuator) button
2 Remote sensor
- *DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).*

3 VOLUME + / – button
4 Touch panel
5 ⏏ (eject) button
6 T/P (traffic programme/programme type) button
7 MENU button
8 Reset button
9 ⏏ (control panel release) button
10 DISP (display) button

Main touch panels

- Make sure to touch the area inside the key icon boundary when operating the touch panel.

Source Selection Screen

Either “CD-CH” or “EXT-IN” appears depending on the “Ext Input” setting (see page 34).

If the source is not ready, you cannot select the source. Key icon appears as negative pattern.

Main Menu

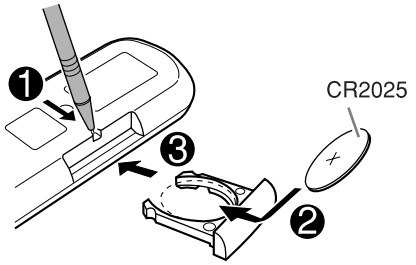
Not displayed when the source is “LINE-IN” or “EXT-IN” (external component).

Displayed only when playing an audio CD or when the source is “LINE-IN” or “EXT-IN.”

- To return to the previous screen, press “BACK” (if shown). See also page 46.

Remote controller — RM-RK300

Installing the lithium coin battery (CR2025)

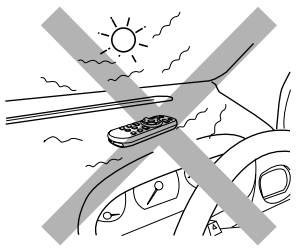


- **When operating, aim the remote controller directly at the remote sensor on the receiver. Make sure there is no obstacle in between.**

Warning:

- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
  - Do not recharge, short, disassemble, or heat the battery or dispose of it in a fire.
  - Do not leave the battery with other metallic materials.
  - Do not poke the battery with tweezers or similar tools.
  - Wrap the battery with tape and insulate when throwing away or saving it.

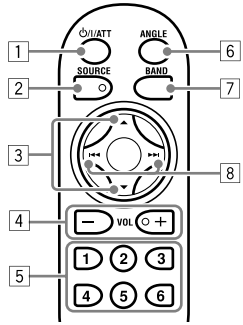
Caution:



The receiver is equipped with the steering wheel remote control function.

- See the Installation/Connection Manual (separate volume) for connection.

Main elements and features



1 ⏻/I/ATT (standby/on/attenuator) button
- Turns on and off the power and also attenuates the sound.

2 SOURCE button
- Selects the source.

3 ▲ (up) / ▼ (down) buttons
- Changes the preset stations.
- Changes the services for DAB.
- Changes the MP3/WMA folders.

4 VOL (volume) + / – buttons
- Adjusts the volume level.

5 Number buttons
- Selects the preset station (or service) if pressed, or store a station (or a service) if pressed and held.
- Selects the tracks while playing an audio CDs or CD Text.
- Selects the folders while playing MP3/WMA discs or an SD card.
- Selects the discs while operating the CD changer.

6 ANGLE button
- Adjusts the control panel angle.

7 BAND button
- Selects the band for FM/AM and DAB.

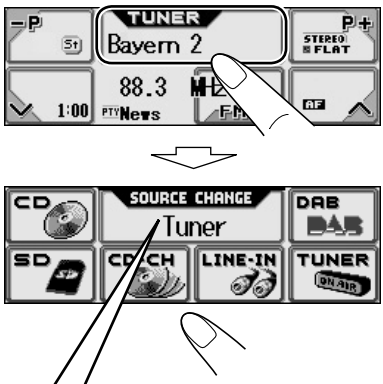
8 ⏮ / ⏭ buttons
- Searches for stations (or ensembles) if pressed, or skips frequencies after pressed and held.
- Changes the tracks of the disc or of the SD card if pressed.
- Fast-forwards or reverses the track if pressed and held.

ENGLISH

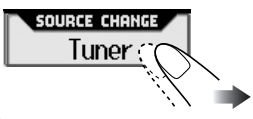
Basic operations

1

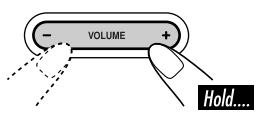
2 **Select the source.**

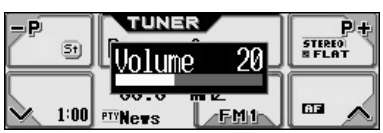


You can also select the source by....

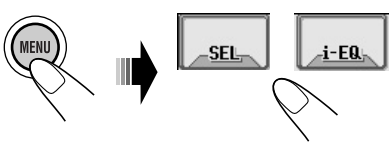


3

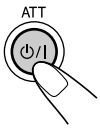




4 **Adjust the sound as you want. (See pages 24 and 25.)**



To drop the volume in a moment (ATT)



To restore the sound, press it again.

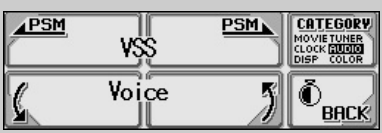
To turn off the power

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

Voice support system (VSS)

You can select either “Beep” or “Voice” for the VSS.

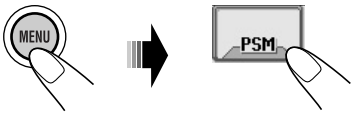


If “Voice” is selected, the language used for VSS changes to the selected language—Russian, French, or English.
To change the VSS setting, see page 34.

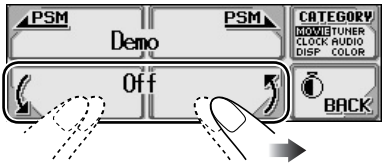
Canceling the display demonstrations

If no operations are done for about 20 seconds, display demonstration starts.
[Initial: Interval]—see page 30.

1



2 Select "Off."



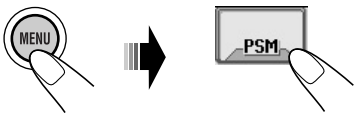
3 Exit from the setting.

To activate the display demonstration

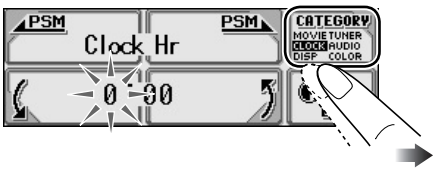
In step **2** above, select "All Time" or "Interval." For more details, see page 30.

Setting the clock

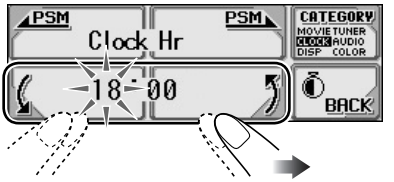
1



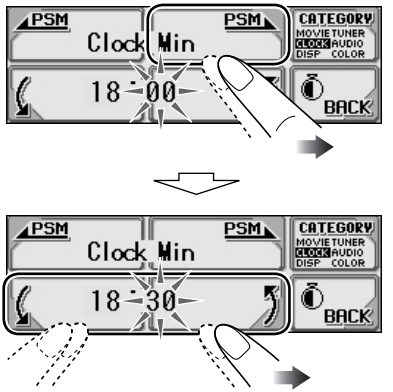
2



3 Adjust the hour.



4 Select "Clock Min" (minute), then adjust the minute.



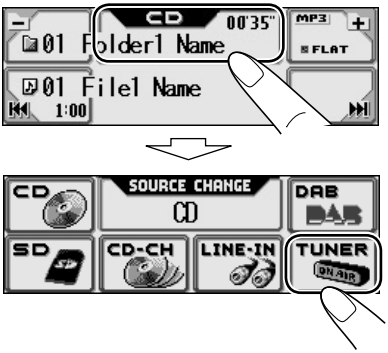
5 Select "24H/12H," then select "24Hours" or "12Hours."

6 Exit from the setting.

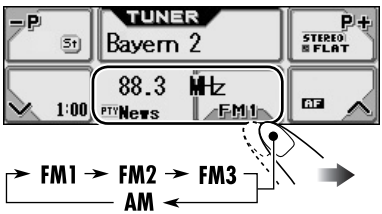
To check the current clock time when the power is turned off

Listening to the radio

1 **Select "TUNER."**



2 **Select the band (FM/AM).**



3 **Start searching for a station.**

When a station is received, searching stops.
To stop searching, press the same icon again.

To tune in to a station manually

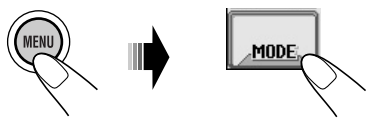
In step ❸ on the left...

1

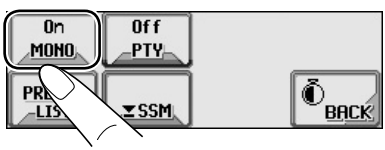
2 **Select the desired station frequencies.**

When an FM stereo broadcast is hard to receive

1



2 **Select "MONO On."**



Reception improves, but stereo effect will be lost.

3 **Exit from the setting.**

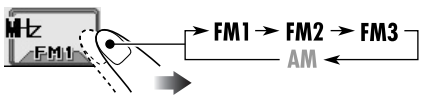
To restore the stereo effect, repeat the same procedure and select "MONO Off" in step 2.

Storing stations in memory

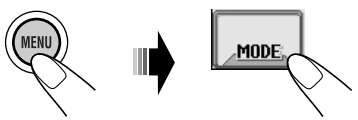
You can preset six stations for each band.

FM station automatic presetting—SSM (Strong-station Sequential Memory)

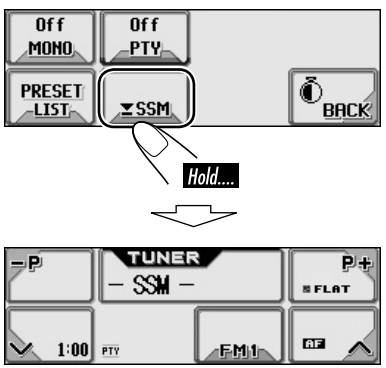
1 **Select the FM band (FM1 – FM3) you want to store into.**



2



3

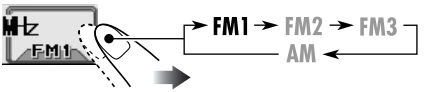


Local FM stations with the strongest signals are searched and stored automatically in the FM band.

Manual presetting

Ex.: Storing FM station of 92.5 MHz into preset number 4 of the FM1 band.

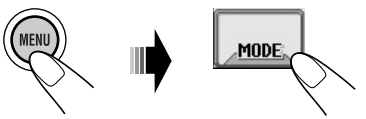
1



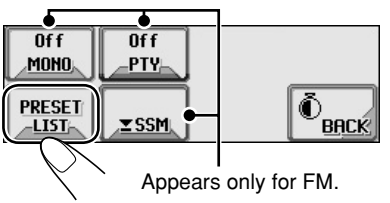
2

- Holding P+ or –P can display the Preset Station List (see step **5** below).

3

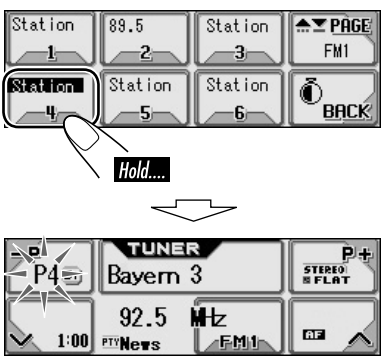


4



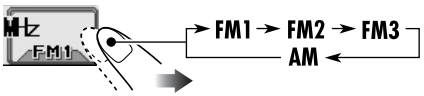
Appears only for FM.

5

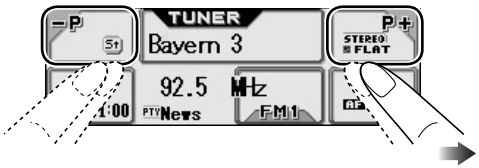


Listening to a preset station

1



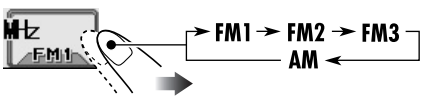
2 Select a preset station (1 – 6) you want.



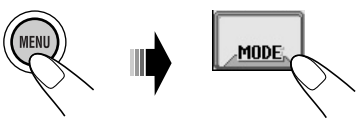
- Holding P+ or −P can display the Preset Station List (see below).

To select a preset station using the Preset Station List

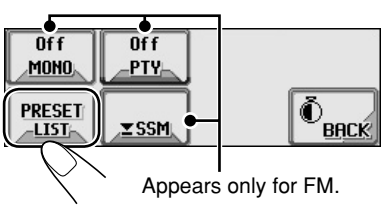
1



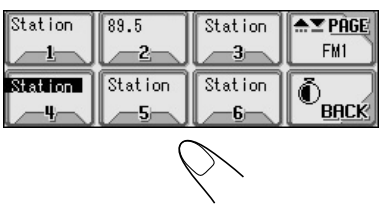
2



3

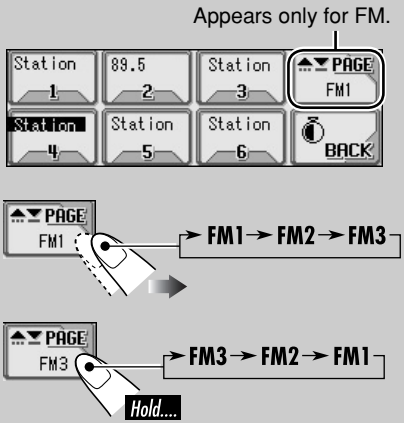


4 Select a preset number.



Preset Station List

The lists show either the station frequency or PS name (the first 8 characters).



ENGLISH

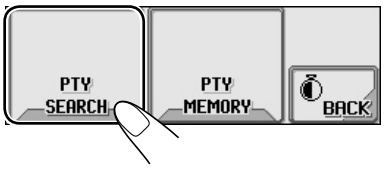
Searching for your favorite FM RDS programme

You can tune in to a station broadcasting your favorite programme by searching for a PTY code.

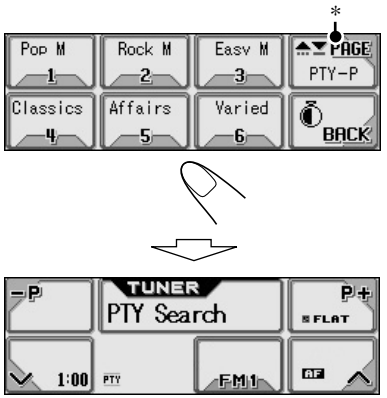
- To store your favorite programme, see page 13.

1

2



3 **Select a PTY code.**



If there is a station broadcasting a programme of the same PTY code as you have selected, that station is tuned in.

* *Press to go to the next list; hold to go back to the previous list.*

What you can do with RDS

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular programme signals.
By receiving the RDS data, this receiver can do the following:

- Programme Type (PTY) Search (see the left column)
- Temporarily switches to Traffic Announcement—TA Standby Reception. (See page 13.)
- Temporarily switches to your favorite programme—PTY Standby Reception. (See pages 14 and 33.)
- Tracing the same programme automatically —Network-Tracking Reception (see page 14)
- Programme Search (see page 33)
- Receiving the message service—RDS Radiotext (RT) (see page 15)

PTY codes

News, Affairs, Info, Sport, Educate, Drama, Culture, Science, Varied, Pop M (music), Rock M (music), Easy M (music), Light M (music), Classics, Other M (music), Weather, Finance, Children, Social, Religion, Phone In, Travel, Leisure, Jazz, Country, Nation M (music), Oldies, Folk M (music), Document

Storing your favorite programmes

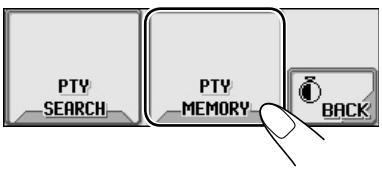
You can store six favorite programme types.

Preset programme types:

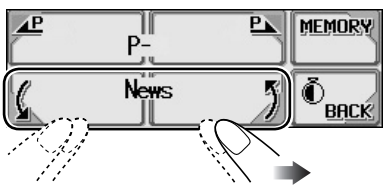
1	2	3	4	5	6
Pop M	Rock M	Easy M	Classics	Affairs	Varied

1

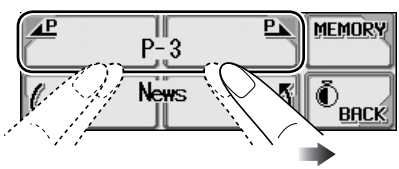
2



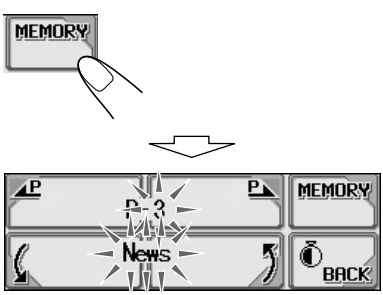
3 **Select a PTY code.**



4 **Select a preset number.**



5



Selected PTY code is stored in the selected preset number.

6 **Repeat steps 3 to 5 to store other PTY codes into other preset numbers.**

7 **Exit from the setting.**

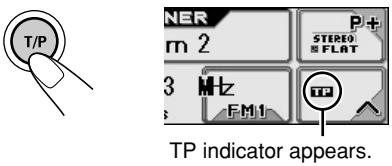
Using the standby receptions

TA Standby Reception

TA Standby Reception allows the receiver to switch temporarily to Traffic Announcement (TA) from any source other than AM.

- If a station starts broadcasting a traffic announcement, "Traffic News" appears on the display, and this receiver temporarily tunes in to the station. The volume changes to the preset TA volume level (see page 33).

To activate TA Standby Reception



TP indicator appears.

- If the TP indicator lights up, TA Standby Reception is activated.
- If the TP indicator flashes, TA Standby Reception is not yet activated. (This occurs when you are listening to an FM station without the RDS signals required for TA Standby Reception.)
  To activate TA Standby Reception, tune in to another station (or service) providing these signals. The TP indicator will stop flashing and remain lit.

To be continued....

To deactivate the TA Standby Reception

The TP indicator goes off.

PTY Standby Reception

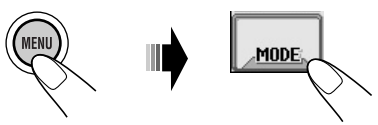
PTY Standby Reception allows the receiver to switch temporarily to your favorite PTY programme from any source other than AM.

- This function also takes effect for the DAB tuner.

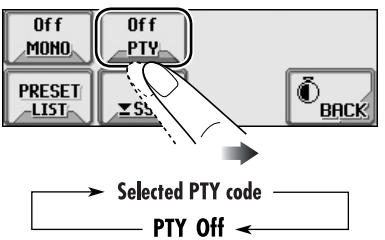
To select your favorite PTY code for PTY Standby Reception, see page 33.
The PTY indicator either lights up or flashes.

To activate the PTY Standby Reception

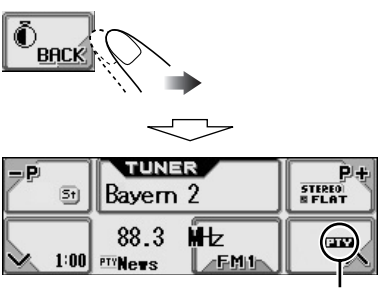
1



2 Select one of the PTY codes.



3 Exit from the setting.



PTY indicator appears.

- If the PTY indicator lights up, PTY Standby Reception is activated.
- If the PTY indicator flashes, PTY Standby Reception is not yet activated.
  To activate PTY Standby Reception, tune in to another station (or service) providing these signals. The PTY indicator will stop flashing and remain lit.

To deactivate the PTY Standby Reception

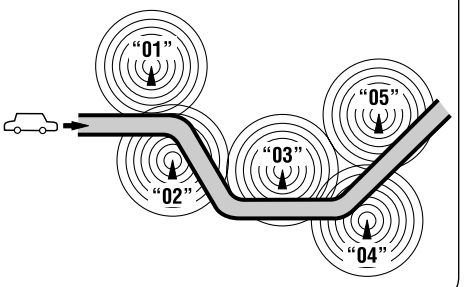
Select "PTY Off" in step **2**.
The PTY indicator goes off.

Tracking the same programme— Network-Tracking Reception

When driving in an area where FM reception is not sufficient enough, this receiver automatically tunes in to another FM RDS station of the same network, possibly broadcasting the same programme with stronger signals (see the illustration below).

When shipped from the factory, Network-Tracking Reception is activated.
To change the Network-Tracking Reception setting, see "AF-Regn'l" on page 33.

Programme A broadcasting on different frequency areas (01 – 05)



Using the message service— RDS Radiotext (RT)

What is RDS Radiotext

RDS Radiotext is part of the RDS data signal to transmit various text information (e.g. programme information, phone numbers, e-mail and web addresses, artist/title information and news headlines). The text service is part of the RDS broadcast.
One message may contain up to 64 characters.

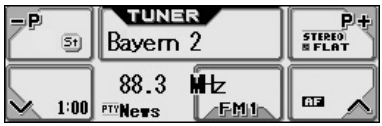
The message service is an optional service and is not supported by all broadcasters.

Once you tuned in to a station that supports the message service, the service is automatically received.

To use the text message service, select the Radiotext (RT) screen (see page 4).

To show the RDS Radiotext (RT) information

While listening to a station that supports RT....



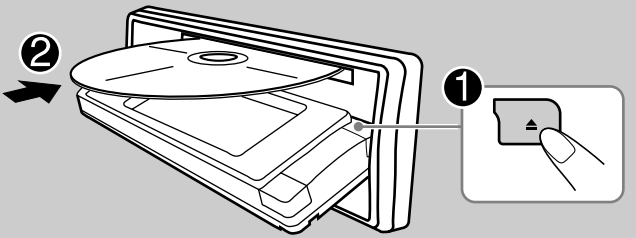
Radiotext screen is shown.

It takes time to load data. While loading, “Loading” appears.

If text message is unavailable, the text screen will automatically change to source operation screen. The text screen will automatically appear again when the text service is available.

ENGLISH

Playing a disc in the receiver



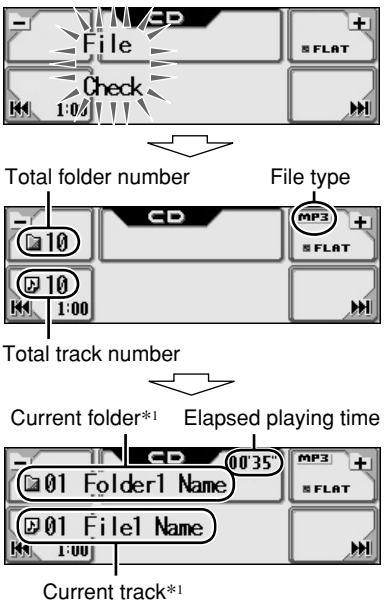
All tracks will be played repeatedly until you change the source or eject the disc.

About MP3 and WMA tracks

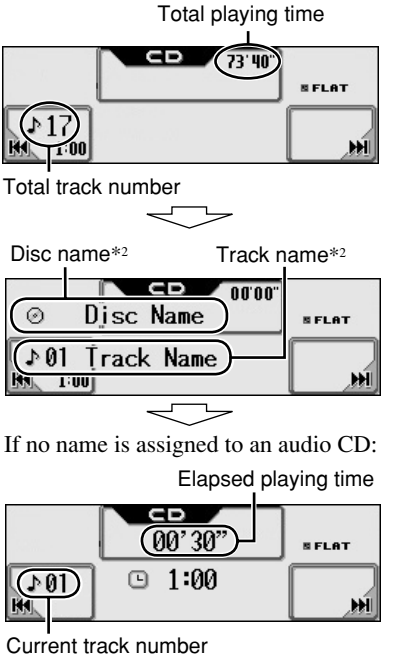
MP3 and WMA (Windows Media® Audio) "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."

- When an MP3 or a WMA folder includes an image <jll> file edited by Image Converter (Wide Ver 1.2)—supplied in the CD-ROM, you can show the image on the display while the tracks in the folder are played back—ImageLink. (See pages 18, 30, and 48 for details.)

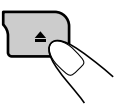
- **When inserting an MP3 or a WMA disc:**



- **When inserting an audio CD or a CD Text disc:**



To stop play and eject the disc



To return the control panel to its previous position, press it again.

Playing discs in the CD changer

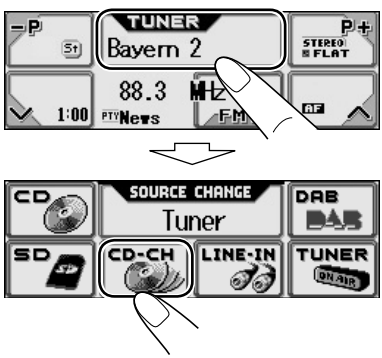
About the CD changer

It is recommended to use the JVC MP3-compatible CD changer with your receiver.

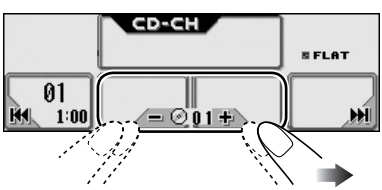
- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). However, they are not compatible with MP3 discs, so you cannot play back MP3 discs.
- You cannot use the KD-MK series CD changers with this receiver.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.
- You cannot control and play any WMA disc in the CD changer.

All tracks of the inserted discs in the magazine will be played repeatedly until you change the source or eject the magazine from the CD changer.

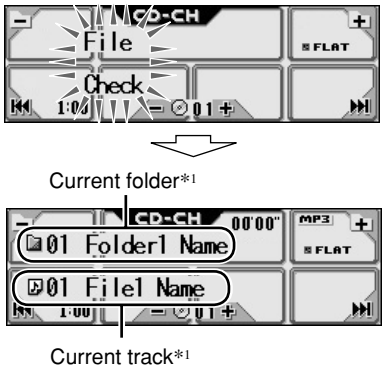
1 **Select "CD-CH."**



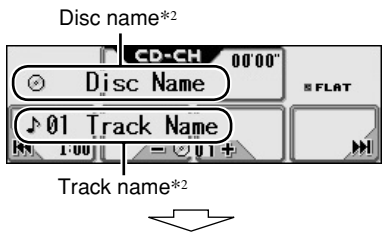
2 **Select a disc.**



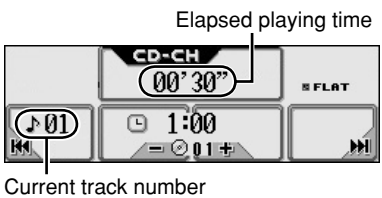
- **When the current disc is an MP3 disc:**



- **When the current disc is an audio CD or a CD Text disc:**



If no name is assigned to an audio CD:



*1 *The album name/performer with indicator and the track title with indicator will appear if "Tag" is set to "On" (see page 32).*

*2 *Appear only for CD Texts and CDs if it has been assigned or recorded. ("No Name" appears for a while if no name is recorded or assigned to an audio CD.)*

Playing an SD card

About the SD card

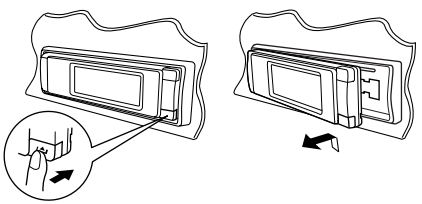
You can play back MP3/WMA tracks recorded on the SD card and show the stored image on the display during playback—ImageLink. (See pages 16, 30, and 48 for details.)

The required SD recording format is FAT 12/16 and the recommended storage type is 8 MB to 512 MB.

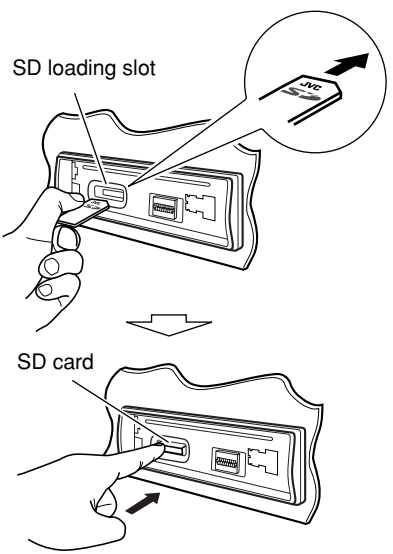
- You cannot use MMC or mini SD with this receiver.

Before detaching the control panel, turn off the power.

1 **Detach the control panel.**



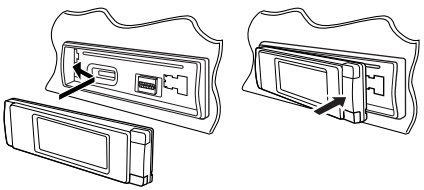
2



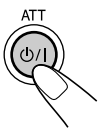
Press in the SD card until you hear a clicking sound.

To eject the SD card, press the SD card again.

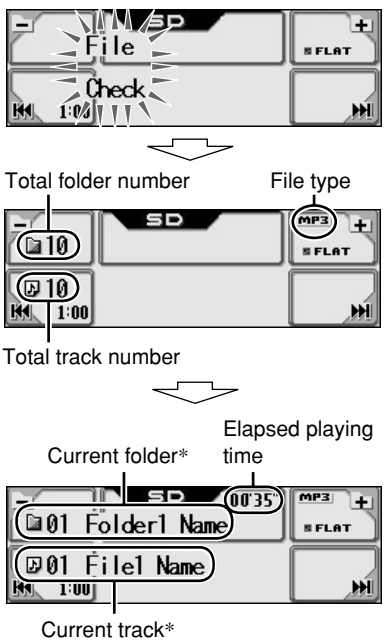
3 **Attach the control panel.**



4

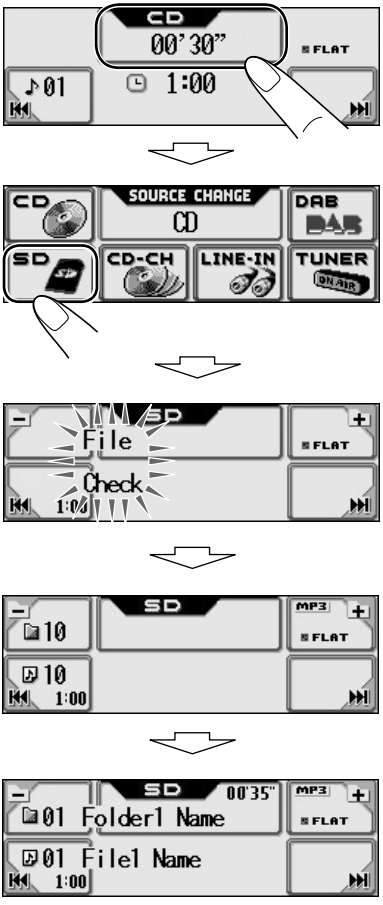


- The control panel goes back to the previous position (see page 38).



Playback starts automatically if tracks are recorded.

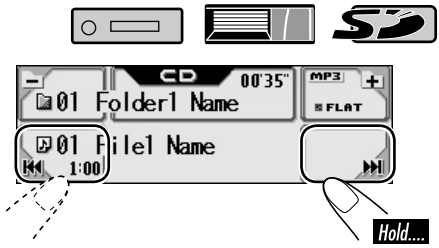
If an SD card has been loaded....



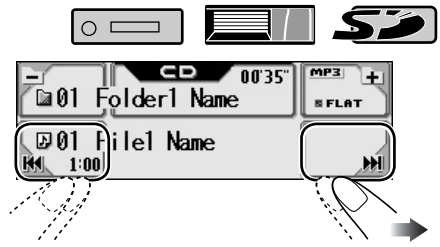
* *The album name/performer with ◘ indicator and the track title with ♪ indicator will appear if "Tag" is set to "On" (see page 32).*

Operation screens used for the following operations is of MP3 playback in the receiver.

To fast-forward or reverse the track

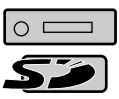


To go to the next or previous tracks

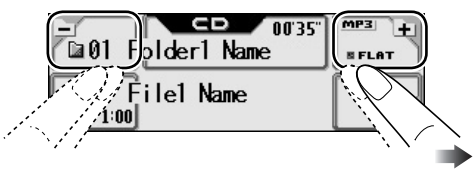


To go to the next or previous folders (only for MP3 and WMA tracks)

For MP3 tracks:



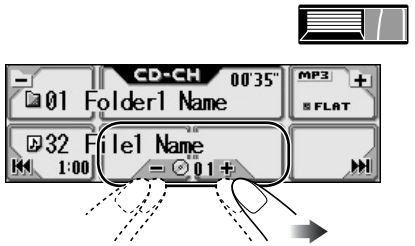
For WMA tracks:



- If you hold the icon, the Folder List will appear on the display (see page 20).

To be continued....

To select a disc during playback



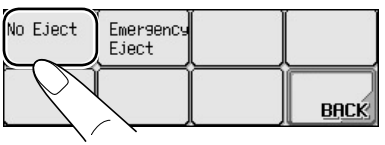
- If you hold the icon, the Disc List will appear on the display (see the right column).

Prohibiting disc ejection

You can lock a disc in the loading slot.

1

2



"No Eject" flashes, and the disc cannot be ejected.

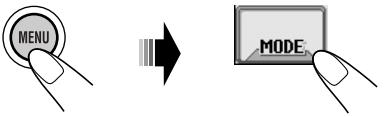
To cancel the prohibition

In step **2** above, press "Eject OK."
"Eject OK" flashes for a while.

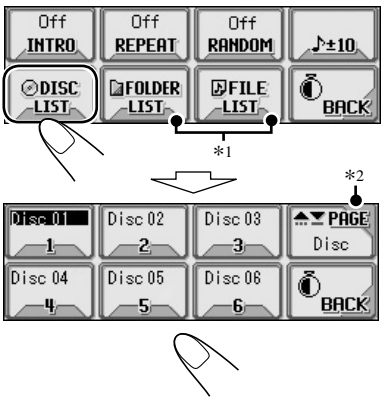
Other main functions

Selecting a disc/folder/track on the list

1

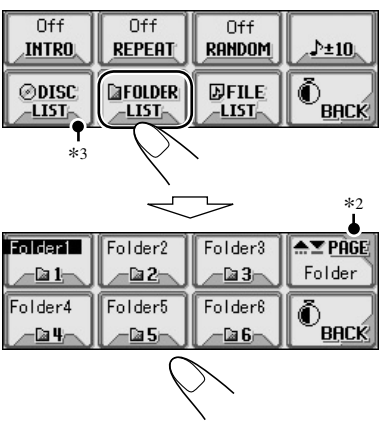


2 • **Select a disc (only for the CD changer).**



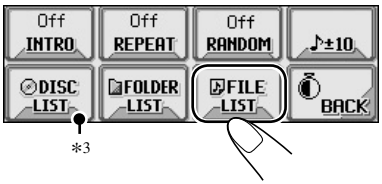
If the selected disc is an MP3/WMA disc, its Folder List appears.

- **Select a folder (only for MP3/WMA disc or SD card).**



If you select the current folder (highlighted on the screen), its File List appears.

- **Select a track (only for MP3/WMA disc or SD card).**



File List of the current folder appears.

*1 *Appears only if the current disc is an MP3 discs.*

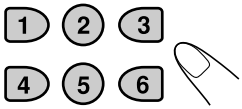
*2 *Press to go to the next list; hold to go to the previous list.*

*3 *Displayed only when the source is "CD-CH."*

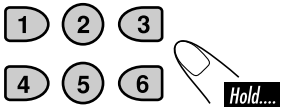
When using the remote controller....

- **To directly select a disc in the CD changer**
- **To directly select a track of an audio CD or CD Text**
- **To directly select a folder of an MP3/WMA disc or an SD card**

To select a number from 1 – 6:



To select a number from 7 (1) – 12 (6):



It is required that folders are assigned with 2-digits number at their beginning of their names—01, 02, 03, and so on.

Skipping a track quickly during play

For audio CD/CD Text:

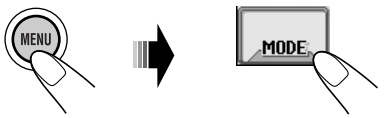
For MP3 tracks:

For WMA tracks:

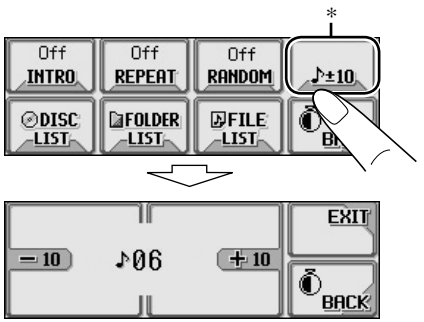
For MP3 or WMA tracks, you can skip a track within the same folder.

Ex.: To select track 32 while playing track 6 in the CD changer

1

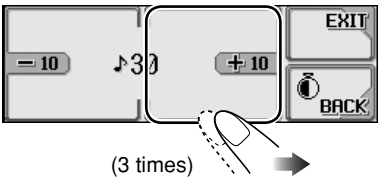


2



** If the source is "CD-CH" : Works only when JVC MP3 compatible CD changer (CH-X1500) is connected.*

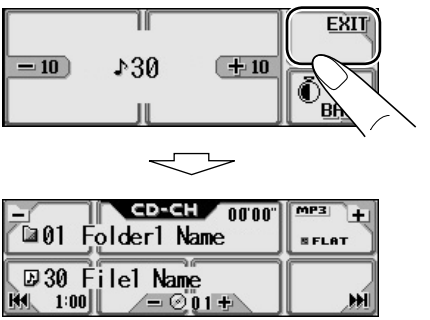
3



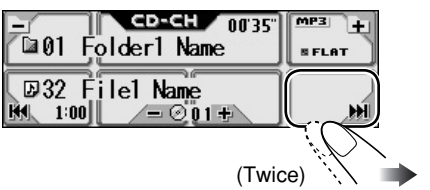
First time you press "+10" or "–10," the track skips to the nearest higher or lower track with a track number of multiple ten (ex. 10th, 20th, 30th).
Then each time you press the button, you can skip 10 tracks.

- After the last track, the first track will be selected and vice versa.

4



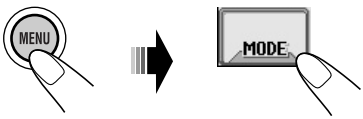
5



Selecting the playback modes

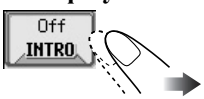
You can use only one of the following playback modes at a time.

1



2 Select your desired playback mode.

Intro play



Mode	Plays the beginning 15 seconds of ...
Track:	All tracks of the current disc or the SD card. • While playing, INT lights up.
Folder[*1]:	First tracks of all folders of the current disc or the SD card. • While playing, INT lights up.
Disc[*2]:	First tracks of all the inserted discs. • While playing, INT lights up.
Off:	Cancels.

Repeat play

Mode	Plays repeatedly
Track:	The current track. • While playing, RPT lights up.
Folder[*1]:	All tracks of the current folder. • While playing, RPT lights up.
Disc[*2]:	All tracks of the current disc. • While playing, RPT lights up.
Off:	Cancels.

Random play

Mode	Plays at random
Folder[*1]:	All tracks of the current folder, then tracks of the next folder and so on. • While playing, RND lights up.
Disc or **SD**:	All tracks of the current disc or the SD card. • While playing, RND or RND lights up.
All[*2]:	All tracks of all inserted discs. • While playing, ALL RND lights up.
Off:	Cancels.

[*1] *Only while playing an MP3 (* / / *) or WMA (* / *) track.*

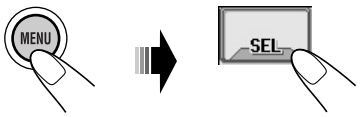
[*2] *Only while playing discs in the CD changer (* *).*

3 Exit from the setting.

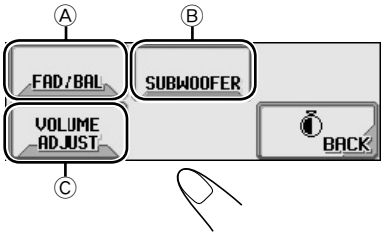
ENGLISH

Setting the basic sound selection menu—SEL

1

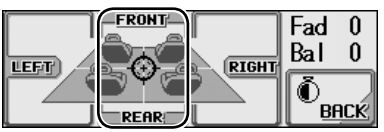


2 **Select a setting item.**



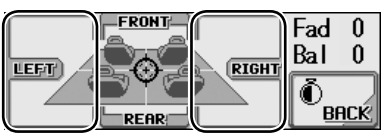
3 **Adjust the selected item.**

Ⓐ To adjust the speaker output balance between the front and rear speakers—FAD (fader).



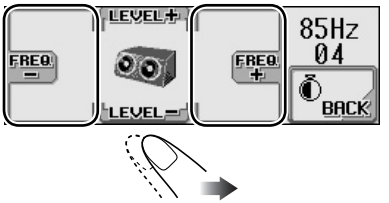
F6 (Front only) to R6 (Rear only)

To adjust the speaker output balance between the left and right speakers—BAL (balance).



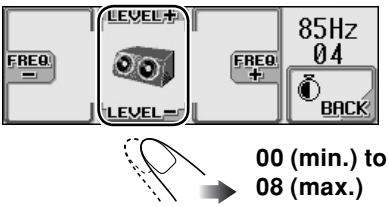
L6 (Left only) to R6 (Right only)

Ⓑ To select the cutoff frequency to the subwoofer.



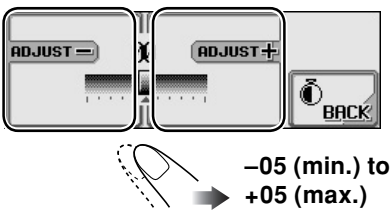
55Hz:	Frequencies higher than 55 Hz are cut off.
85Hz:	Frequencies higher than 85 Hz are cut off.
115Hz:	Frequencies higher than 115 Hz are cut off.

Adjust the subwoofer output level.



00 (min.) to 08 (max.)

Ⓒ To adjust the input level of each source (except FM).
Adjust to match the input level to the FM sound level.



–05 (min.) to +05 (max.)

4 **Exit from the setting.**

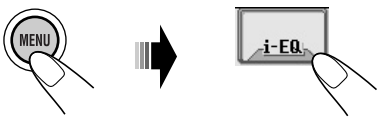
Selecting preset sound modes (i-EQ: intelligent equalizer)

You can select a sound mode suitable to the music genre.

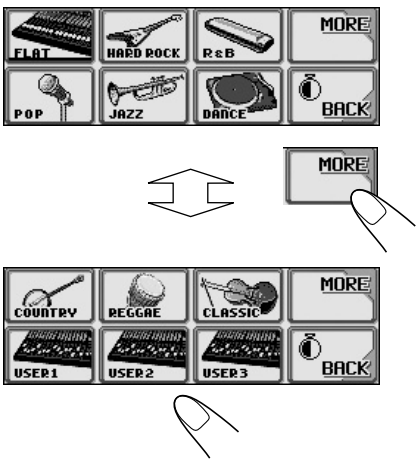
Available sound modes

FLAT (No sound mode is applied), **HARD ROCK, R & B, POP, JAZZ, DANCE, COUNTRY, REGGAE, CLASSIC, USER 1, USER 2, USER 3**

1



2 Select a sound mode.



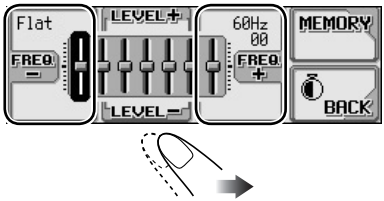
3 Exit from the setting.

Storing your own sound modes

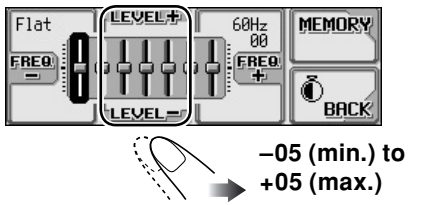
Ex.: To adjust "FLAT"

1 Select "FLAT" (see left column).

2 Select the frequency band—60Hz, 150Hz, 400Hz, 1kHz, 2.4kHz, 6kHz, 12kHz.



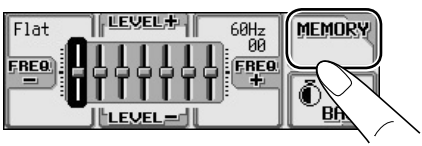
3 Adjust the level of the selected band.



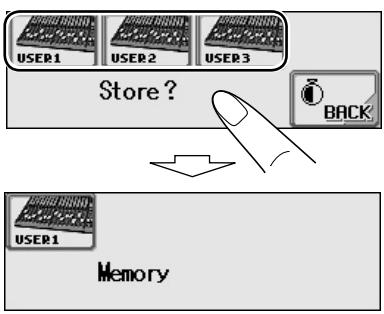
–05 (min.) to +05 (max.)

4 Repeat steps 2 and 3 to adjust the other frequency bands.

5



6



Ex.: When "USER1" is selected

Graphic displays

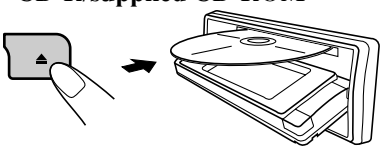
Basic procedure

Before starting the following procedure, prepare a CD-R or an SD card including still images (pictures) and animations (movies).

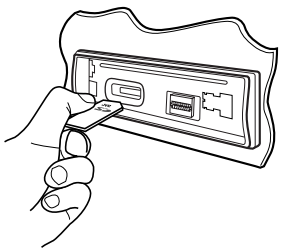
- With Image Converter (Wide Ver 1.2) included in the supplied CD-ROM, you can create your own images and animations. (Samples are included in the CD-ROM.)

1 **Insert a CD-R, an SD card, or supplied CD-ROM.**

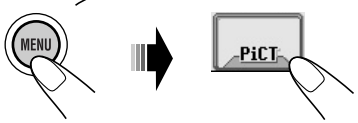
- **CD-R/supplied CD-ROM**



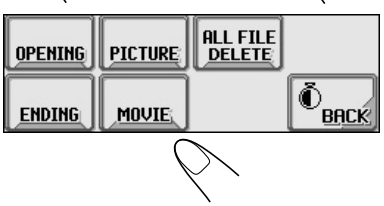
- **SD card**



2



3



- To download the file(s):
  ➡ **Downloading the files** (see page 26)
- To delete the file(s):
  ➡ **Deleting the files** (see page 27)
- To activate the file(s):
  ➡ **Activating the downloaded files** (see pages 29)

IMPORTANT:

- Refer also to Image Converter PDF files included in the "Manual" folder of the supplied CD-ROM.
- Still images (pictures) should have **<jll>**, and animations (movies) should have **<jla>** as their extension code in their file names.
- Before you download or delete the files, observe the following:
  – Do not download a file while driving.
  – Do not turn off the ignition key of the car while downloading or deleting a file.*
  – Do not detach the control panel while downloading or deleting a file.*

** If you do so, the file download or deletion will not be done correctly.*

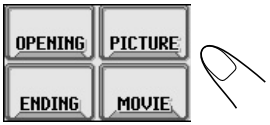
Downloading the files

- **OPENING**: Opening screen
  To download/delete an animation (30 frames at maximum) which will be shown after the receiver is turned on.
- **ENDING**: Ending screen
  To download/delete an animation (30 frames at maximum) which will be shown before the receiver is turned off.
- **PICTURE**: Graphic screen
  To download/delete still images (30 still images at maximum) which will be shown while playing a source.
- **MOVIE**: Graphic screen
  To download/delete an animation (90 frames at maximum) which will be shown while playing a source.

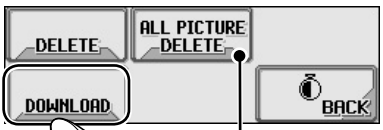
Downloading an animation or pictures

- It takes a long time to download an animation. For details, see page 49.
- To activate the downloaded files, see page 29.

1 **In step ❸ on page 26....**



2



Appears only if "PICTURE" is selected.

- *If "OPENING," "ENDING," or "MOVIE" is selected, only the folders including the <jla> files are shown.*
- *If "PICTURE" is selected, only the folders including the <jll> files are shown.*

3 **Select a folder.**

(once for the currently selected; twice for the others)

4 **Select a file.**

5

File name appears.

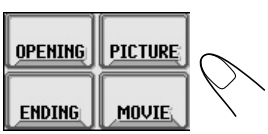
6
- **To download more pictures from the same folder, repeat steps 4 and 5.**
- **To download more pictures from another folder, press BACK. Then, repeat steps 3 to 5.**

7 **Exit from the setting.**

Deleting the files

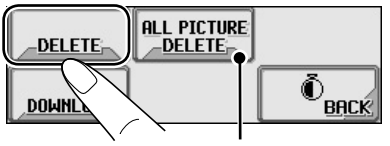
Deleting the stored animation and pictures

1 **In step ❸ on page 26....**



To be continued....

2



Appears only if "PICTURE" is selected.

3 **• To delete the stored animation**

File name appears.

• To delete the stored pictures

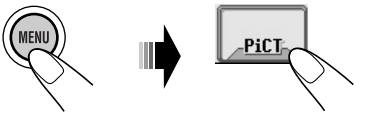
File name appears.

4 **Repeat step 3 to delete more pictures.**

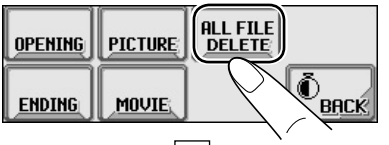
5 **Exit from the setting.**

Deleting all the stored animation and pictures

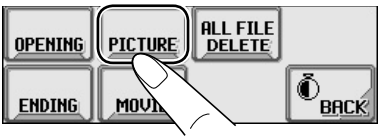
1



2 **• To delete all the stored files**



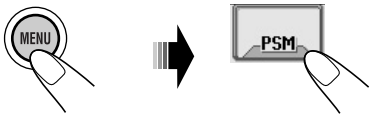
• To delete all the stored pictures



3 **Exit from the setting.**

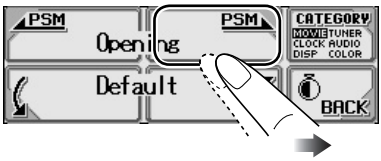
Activating the downloaded files

1

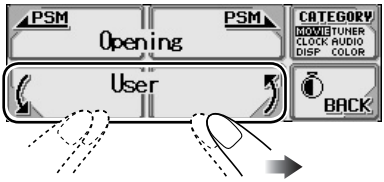


2 • **To activate the animations stored for opening and ending screens**

1 Select “Opening” or “Ending.”



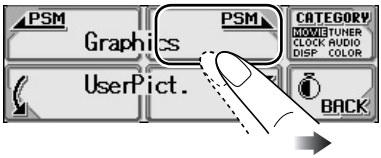
2 Select a setting you want.



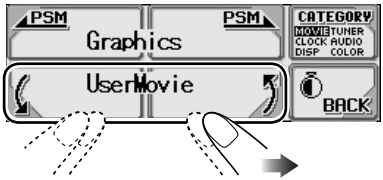
Default:	Factory-preset animation is used.
User:	Your own edited animation is used.

• **To activate the graphic screen using either picture or movie**

1 Select “Graphics.”



2 Select a setting you want.

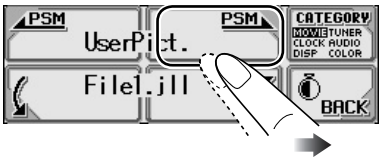


UserMovie:	Your edited animation stored in “MOVIE” is activated.
UserSlide:	Your edited still images stored in “PICTURE” are activated and shown in sequence.
UserPict.:	One of your edited still images stored in “PICTURE” is activated.

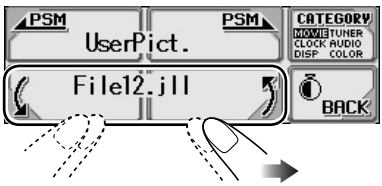
• **To select a still image for “UserPict.”**

If “UserPict.” is not selected for “Graphics,” you cannot select “UserPict.” (see page 30).

1 Select “UserPict.”



2 Select a file you want.



3 **Exit from the setting.**

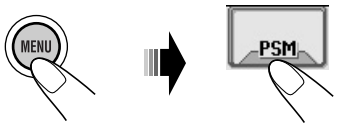
General settings — PSM

ENGLISH

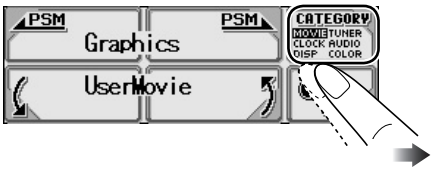
Basic procedure

You can change PSM (Preferred Setting Mode) items listed in the table that follows.

1

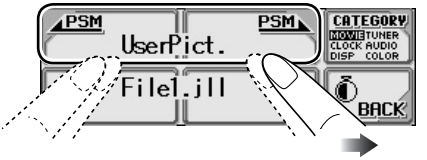


2 Select a PSM category.

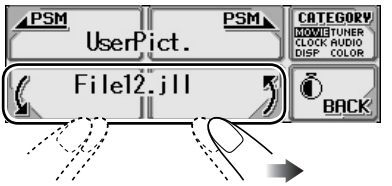


You can move to a different category by simply changing the PSM items.

3 Select a PSM item.



4 Adjust the PSM item selected.



5 Repeat steps 2 to 4 to adjust the other PSM items if necessary.

6 Exit from the setting.

Indications		Selectable settings, [reference page]
MOVIE	**Demo** Display demonstration	**All Time:** Display demonstration (animation) appears. **ImageLink:** To show a still image while playing back an MP3/WMA track, [16, 18, 48]. **Interval:** *[Initial];* Display demonstration (animation) and playback source indication appears alternately. **Off:** Cancels. • These graphics appear if no operation is done for about 20 seconds.
	Graphics Graphics	You can activate the graphic screen using either movie or picture, [29]. **UserMovie:** Your edited animation stored in "MOVIE" is activated. **UserSlide:** Your edited still images stored in "PICTURE" are activated and shown in sequence. **UserPict.:** *[Initial];* One of your edited still images stored in "PICTURE" is activated.

	Indications	Selectable settings, [reference page]
MOVIE	**KeyIn CFM** Key-in confirmation	**On:** *[Initial];* An animation screen appears when you turn on or off the power, change the source, and when you select an i-EQ. **Off:** Cancels.
	Opening*1 Opening screen	When you turn on ("Opening") and off ("Ending") the power, [29].... **Default:** *[Initial];* Factory-preset animation is used. **User:** Your own edited animation is used.
	Ending*1 Ending screen	
	UserPict.*2 User picture	*[Initial: First stored];* You can select one of the stored files as the graphics, [29].
CLOCK	**Clock Hr** Clock hour	0 – 23 (1 – 12), [8] *[Initial: 0 (0:00)]*
	Clock Min Clock minute	00 – 59, [8] *[Initial: 00 (0:00)]*
	24H/12H Clock system	12Hours ⇄ 24Hours, [8] *[Initial: 24Hours]*
	Clock Adj Automatic clock adjustment	**Auto:** *[Initial];* The built-in clock is automatically adjusted using the CT (clock time) data in the RDS signal. **Off:** Cancels.
DISP	**Scroll** Scroll	**Once:** *[Initial];* For disc information: scrolls the disc information only once. For RDS Radiotext: scrolls the text message continuously (in 3-seconds interval). For DAB text: scrolls the detailed DAB text. **Auto:** For disc information: repeats the scroll (in 5-seconds interval). For RDS Radiotext: scrolls the text message continuously (in 3-seconds interval). For DAB text: scrolls the detailed DAB text. **Off:** For disc information: cancels. For RDS Radiotext: shows only the first page of the text message. For DAB text: shows only headline if any. • Holding DISP for more than one second can scroll the disc information regardless of the setting.

*1 *Displayed only after a downloadable file is stored in memory.*

*2 *Displayed only after a downloadable file is stored in memory and while selecting "UserPict." for "Graphics."*

To be continued....

Indications		Selectable settings, [reference page]
DISP	**Dimmer** Dimmer	**Auto:** *[Initial];* Dims the display when you turn on the headlights. **Off:** Cancels. **On:** Activates dimmer. **Time Set:** Set the timer for dimmer, [35].
	From– To*1 Dimmer time	Any hour – Any hour, [35] *[Initial: 18:00– 7:00]*
	Contrast Contrast	1 – 10 *[Initial: 5]*
	LCD Type Display type	**Auto:** *[Initial];* Positive pattern will be selected during the day time*2; while negative pattern will be used during the night time*2. **Positive:** Positive pattern of the display. **Negative:** Negative pattern of the display (except still images, animations, and audio level meters).
	Font Type Font type	You can select the font type on the screen. **1** *[Initial]* **2**
	Tag Tag display	**On:** *[Initial];* To show the ID3 tag display while playing MP3/WMA tracks, [16 – 19]. **Off:** Cancels.
	Theme Audio level meter	You can select the level meter during playback, [4]. **Meter 1** *[Initial]* **Meter 2** **Meter 3** (back to the beginning) • Press DISP repeatedly to show the selected level meter.
	Key Info Key information	**On:** *[Initial];* To show the key icon boundary on the touch panel to make the operations easy. **Off:** Cancels. (About 5 seconds after operation, the key icon boundary goes off.)
	Sensitiv. Touch panel sensitivity	You can select the sensitivity level of the touch panel operations. **1** **2** *[Initial]* **3** (back to the beginning) • Sensitivity level decreases from 1 to 3.

*1 *Displayed only when "Dimmer" is set to "Time Set."*

*2 *Depends on the "Dimmer" setting.*

Indications	Selectable settings, [reference page]
TUNER	
PTY Stnby PTY Standby	You can select one of the PTY codes for the PTY Standby Reception, [14].
AF-Regn'l Alternate frequency/ regionalization reception	When the received signals from the current station become weak.... **AF:** *[Initial];* Switches to another station (the programme may differ from the one currently received), [14]. • The AF indicator lights up. **AF Reg:** Switches to another station broadcasting the same programme. • The REG indicator lights up. **Off:** Cancels (not selectable when "DAB AF" is set to "On").
TA Volume Traffic announcement volume	When a traffic programme (TA) is received, the volume level automatically changes to the preset level. *[Initial: 20];* 0 – 30 or 0 – 50*3
P-Search Programme search	**On:** The receiver tunes in to another frequency broadcasting the same programme as the original preset RDS station is if the preset station signals are not sufficient. **Off:** *[Initial];* Cancels.
IF Filter Intermediate frequency filter	**Auto:** *[Initial];* Increases the tuner selectivity to reduce interference noises between the stations. (Stereo effect will also be lost.) **Wide:** Subject to the interference noises from adjacent stations, but sound quality will not be degraded and remaining the stereo effect.
DAB AF*4 Alternative frequency reception	**On:** *[Initial];* Traces the programme among DAB services and FM RDS stations, [44]. **Off:** Cancels.
Announce*4 Announcement standby	Select one of the 9 announcement types for Announcement Standby Reception. **Travel** *[Initial]* ⇄ **Warning** ⇄ **News** ⇄ **Weather** ⇄ **Event** ⇄ **Special** ⇄ **Rad Inf** (Radio Information) ⇄ **Sports** ⇄ **Finance** ⇄ (back to the beginning)

*3 *Depends on the amplifier gain control.*
*4 *Displayed only when the DAB tuner is connected.*

To be continued....

	Indications	Selectable settings, [reference page]
AUDIO	**VSS** Voice support system	**Beep:** A beep sounds when you operate the receiver. **Voice:** *[Initial];* Guidance is announced in the language you have selected when you operate the receiver.
	VSS Level VSS level	You can adjust the volume level of the VSS sounds. **Off** (cancels) ⇄ **1** ⇄ **2** ⇄ **3** *[Initial]* ⇄ **4**
	Language Language	You can select the language for the VSS. **Russian** *[Initial]* ⇄ **French** ⇄ **English** ⇄ (back to the beginning)
	Ext Input[*1] External input	**Changer:** *[Initial];* To use a JVC CD changer, [17]. **Ext In:** To use any external component, [39].
	Telephone Telephone muting	**Muting1**/**Muting2:** Select either one which mutes the sounds while using the cellular phone. **Off:** *[Initial];* Cancels. • If CD or CD changer has been selected as the source, playback pauses during telephone muting.
	Amp Gain Amplifier gain control	You can change the maximum volume level of this receiver. **High PWR:** *[Initial];* Volume 0 – Volume 50 **Low PWR:** Volume 0 – Volume 30 (Select this if the maximum power of the speaker is less than 52 W to prevent them from damaging the speaker.) **Off:** Deactivates the built-in amplifiers.
COLOR	**SOURCE** Source	*[Initial: AllSource];* You can select your favorite display color for each source (or for all sources), [35, 36].
	USER DAY **(USER NIGHT)** User color	You can create your own colors, and select them for the display color, [36]. **USER DAY:** User color during the day time[*2]. **USER NIGHT:** User color during the night time[*2].
	R Red	00 – 11 *[Initial: USER DAY: 07, USER NIGHT: 05]*
	G Green	00 – 11 *[Initial: USER DAY: 07, USER NIGHT: 05]*
	B Blue	00 – 11 *[Initial: USER DAY: 07, USER NIGHT: 05]*

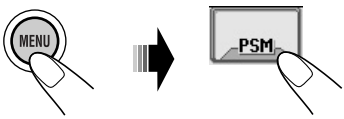
[*1] *Cannot be selected if the source is "CD-CH" or "EXT-IN."*

[*2] *Depends on the "Dimmer" setting.*

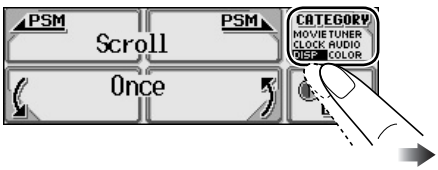
Selecting the dimmer mode

You can dim the display at night or as you set the timer.

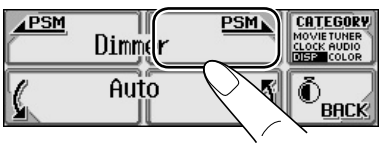
1



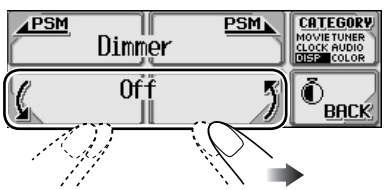
2



3

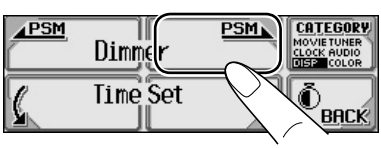


4

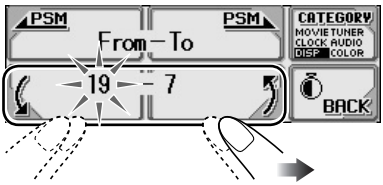


Auto:	Dims the display when you turn on the headlights. ➡ Go to step **9**.
Off:	Cancels. ➡ Go to step **9**.
On:	Always dims the display. ➡ Go to step **9**.
Time Set:	Set the timer for dimmer. ➡ Go to step **5**.

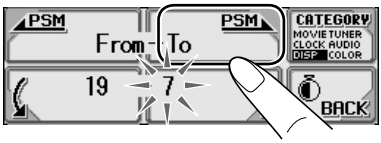
5 **Select "From– To."**



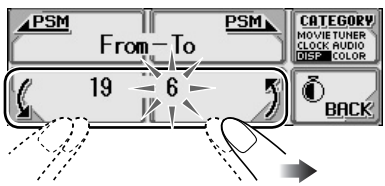
6 **Set the dimmer start time.**



7



8 **Set the dimmer end time.**



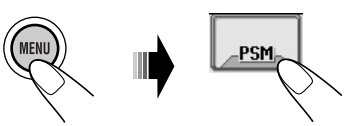
9 **Exit from the setting.**

Changing the display color

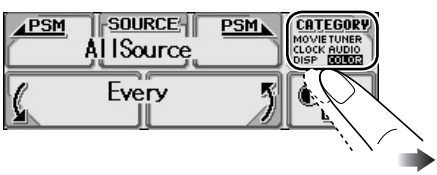
You can select your favorite display color for each source (or for all sources).

Setting the display color

1

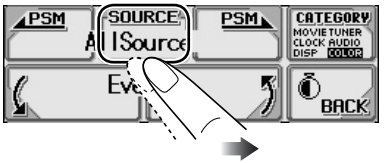


2



To be continued....

3 **Select the source.**



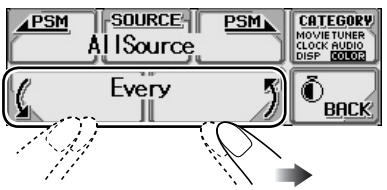
AllSource*1 ➡ CD ➡ SD ➡ Changer (or Ext In*2) ➡ Line In ➡ FM ➡ AM ➡ DAB*3 ➡ (back to the beginning)

*1 *When you select "AllSource," you can use the same color for all the sources.*

*2 *Depends on the "Ext Input" setting, see page 34.*

*3 *Selectable only when DAB tuner is connected.*

4 **Select the color.**



Every*4 ⇄ Aqua ⇄ Sky ⇄ Sea ⇄ Leaves ⇄ Grass ⇄ Apple ⇄ Rose ⇄ Amber ⇄ Honey ⇄ Violet ⇄ Grape ⇄ Pale ⇄ User*5 ⇄ (back to the beginning)

*4 *The color changes every 2 seconds.*

*5 *The user-edited colors—"USER DAY" and "USER NIGHT" will be applied (see the right column).*

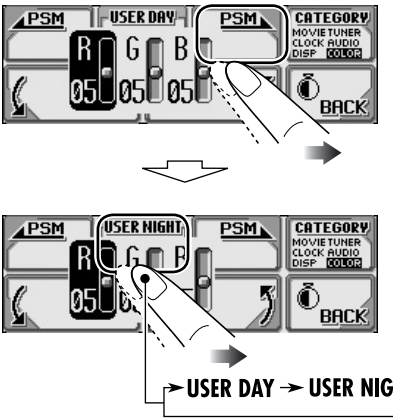
5 **Repeat steps 3 and 4 to select the color for each source (except when selecting "AllSource" in step 3).**

6 **Exit from the setting.**

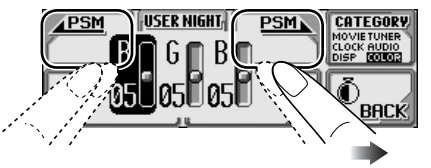
Creating your own color—User

You can create your own colors—"USER DAY" and "USER NIGHT."

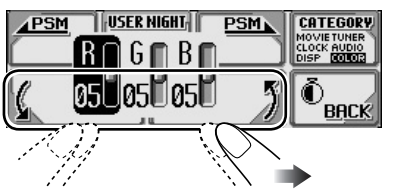
1 **In step 3 on the left, select the user color.**



2 **Select the primary color (R/G/B).**



3 **Adjust the level (00 – 11) of the selected primary color.**



4 **Repeat steps 2 and 3 to adjust the other primary color.**

5 **Exit from the setting.**

Assigning titles to the sources

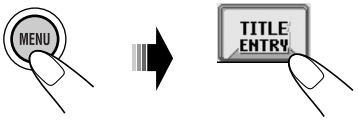
You can assign titles to CDs (both in this receiver and in the CD changer) and the external components (LINE-IN and EXT-IN).

Sources	Maximum number of characters
CDs/CD-CH	Up to 32 characters (up to 30 discs)
External components	Up to 8 characters

- You cannot assign a title to CD Text or an MP3/WMA disc.

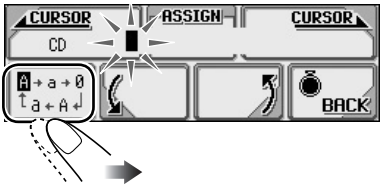
1 Select the source.
- For a CD in this receiver: Insert a CD.
- For CDs in the CD changer: Select "CD-CH," then select a disc number.
- For external component: Select "LINE-IN" or "EXT-IN."

2

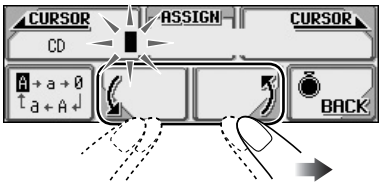


3 Assign a title (in this example, to a CD).

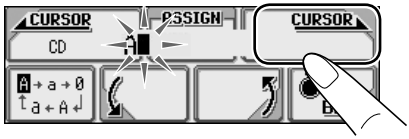
1 Select a character set.



2 Select a character.

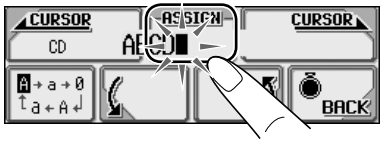


3 Move to the next character position.



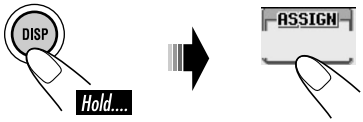
4 Repeat steps 1 to 3 until you finish entering the title.

4



To erase the entire title

In step **3** on the left....



Available characters on the display

This receiver can display Roman alphabets (A – Z, a – z), Cyrillic alphabets, numbers and symbols (see below).
- These characters are also used to show the various information on the display.

Upper case (Cyrillic alphabets)

А	Б	В	Г	Д	Е	Ж	З	И	Й	К	Л	М	Н
О	П	Р	С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы
Ь	Э	Ю	Я	Ё	space								

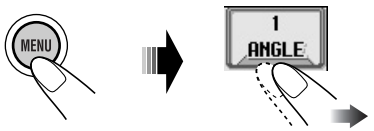
Lower case (Cyrillic alphabets)

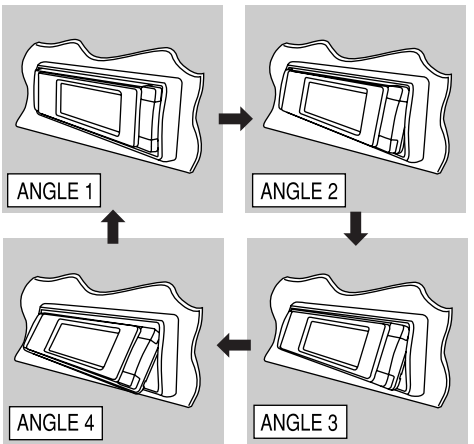
а	б	в	г	д	е	ж	з	и	й	к	л	м	н
о	п	р	с	т	у	ф	х	ц	ч	ш	щ	ъ	ы
ь	э	ю	я	ё	space								

Numbers and symbols

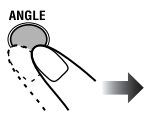
0	1	2	3	4	5	6	7	8	9	!	”	#	$
%	&	’	(	)	*	+	,	–	.	/	:	;	<
=	>	?	@	_	`	¡	¿	£	€	α	space		

Changing the control panel angle

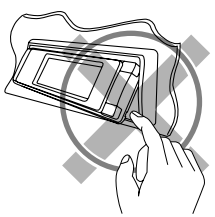




When using the remote controller....



Caution:



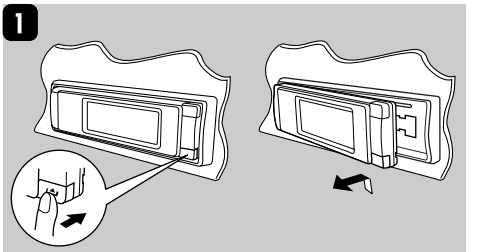
Detaching the control panel

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

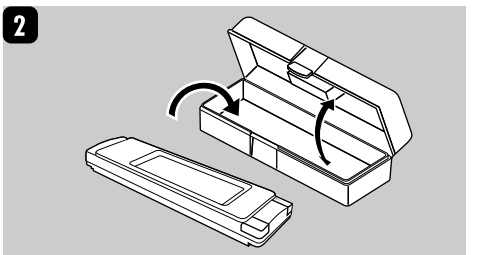
Detaching the control panel

Before detaching the control panel, be sure to turn off the power.

1

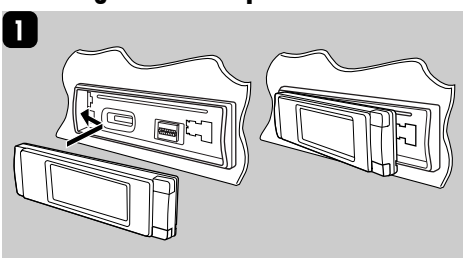


2

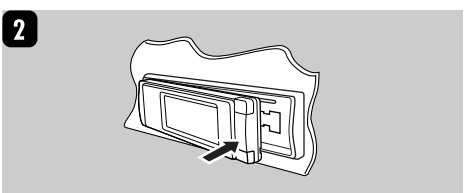


Attaching the control panel

1



2

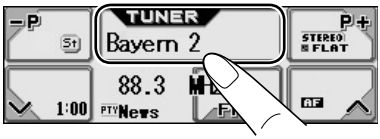


External component operations

You can connect an external component to the LINE IN plugs on the rear—LINE-IN and another to the CD changer jack on the rear using the Line Input Adapter KS-U57 (not supplied)—EXT-IN.

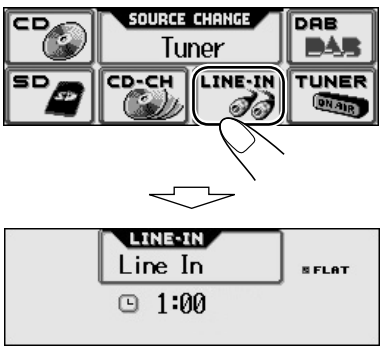
- For connection, see Installation/Connection Manual (separate volume).

1



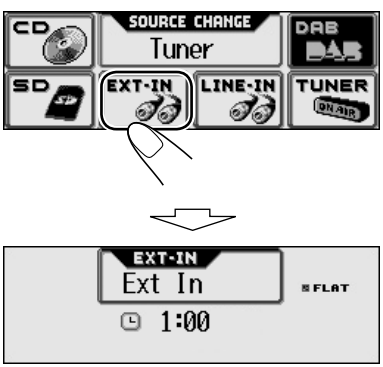
2

- **To select "LINE-IN"**

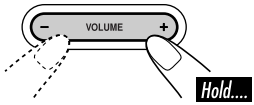


- **To select "EXT-IN"**

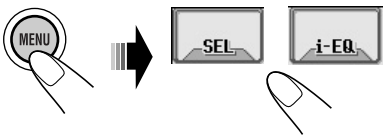
  Before operating the external component, select the external input correctly (see page 34).



3 **Adjust the volume.**



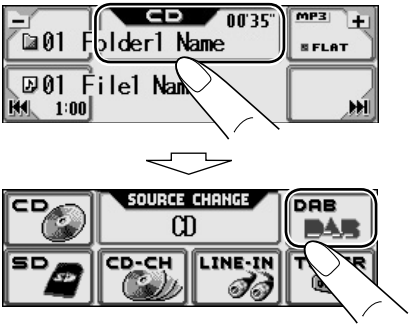
4 **Adjust the sound as you want. (See pages 24 and 25.)**



ENGLISH

Listening to the DAB tuner

1 **Select "DAB."**



2 **Select the band (DAB1/DAB2/DAB3).**

3 **Start searching for an ensemble.**

When an ensemble is received, searching stops.
To stop searching, press the same icon again.

4 **Select a service (either primary or secondary) to listen to.**

To tune in to an ensemble manually

In step ❸ on the left...

1

2 **Select the desired ensemble frequencies.**

What is DAB system?

DAB can deliver CD quality sound without any annoying interference and signal distortion. Furthermore, it can carry text, pictures, and data. When transmitting, DAB combines several programmes (called "services") to form one "ensemble." In addition, each "service"—called "primary service"—can also be divided into its components (called "secondary service"). A typical ensemble has six or more programmes (services) broadcast at the same time.

By connecting the DAB tuner, this receiver can do the following:

- Tracing the same programme automatically —Alternative Reception (see "DAB AF" on page 33).

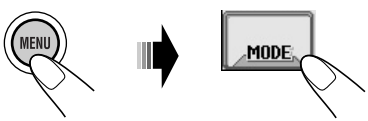
It is recommended to use DAB (Digital Audio Broadcasting) tuner KT-DB1000 with your receiver. If you have another DAB tuner, consult your JVC IN-CAR ENTERTAINMENT dealer.

- Refer also to the Instructions supplied for your DAB tuner.

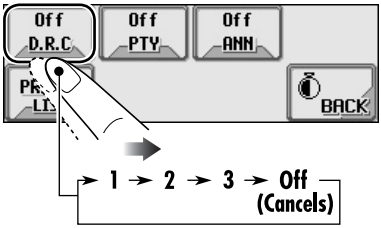
When surrounding sounds are noisy

Some service provides Dynamic Range Control (DRC) signals together with their regular programme signals. DRC will reinforce the low level sounds to improve for your listening.

1

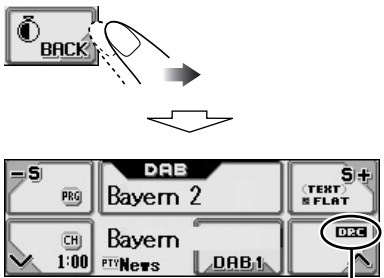


2 **Select one of the DRC signals level (1, 2, or 3).**



The reinforcement increases from 1 to 3.

3 **Exit from the setting.**



DRC indicator appears.

- The DRC indicator will be highlighted (DRC) only when receiving DRC signals from the tuned service.

To search for your favorite service

You can search for either Dynamic or Static PTY codes.

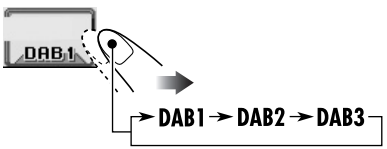
- Operations are exactly the same as explained on page 12 for FM RDS stations.
- You cannot store PTY codes separately for the DAB tuner and the FM tuner.
- Search will be performed on the DAB tuner only.

Storing DAB services in memory

You can preset 6 DAB services (primary) for each band.

Ex.: Storing an ensemble (primary service) into the preset number 1 of the DAB1 band.

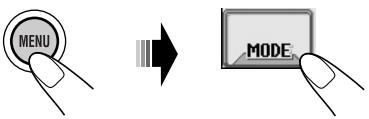
1



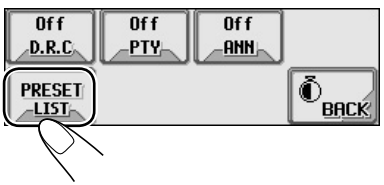
2 Select an ensemble (primary service).

- Holding S+ or −S can also display the Preset Service List (see step **5**).

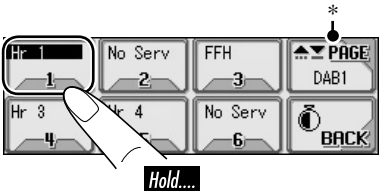
3



4



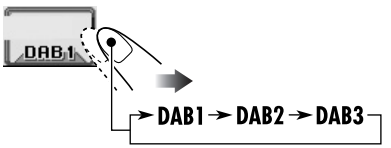
5



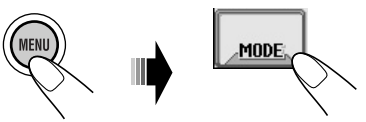
** Moves to the other DAB bands. Do not change the DAB band using this icon while presetting a service; otherwise, preset may fail.*

Tuning in to a preset DAB service

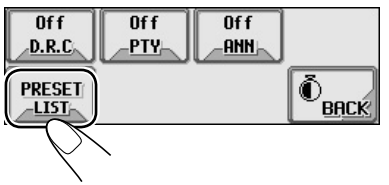
1



2



3



4 Select a preset number.

5 **Change a service if necessary.**

Using the standby reception

You can use three types of Standby Reception.
- Road Traffic News Standby Reception—TA Standby Reception (see the following).
- Announcement Standby Reception (see the right column)
- PTY Standby Reception (see page 44).

Road Traffic News Standby Reception (TA Standby Reception)

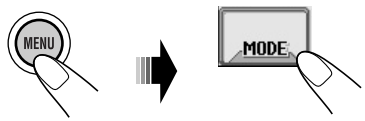
Road Traffic News Standby Reception allows the receiver to switch temporarily to the Road Traffic News (or Traffic Announcement) from any source other than AM. The volume changes to the preset TA volume level (see page 33).
- Operations are exactly the same as explained on page 13 for FM RDS stations.
- You cannot use Road Traffic News Standby Reception (TA Standby Reception) separately for the DAB tuner and FM tuner.

Announcement Standby Reception

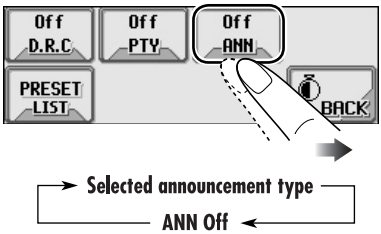
Announcement Standby Reception allows the receiver to switch temporarily to your favorite service (announcement type).
To select your favorite announcement type, see page 33.

To activate the Announcement Standby Reception

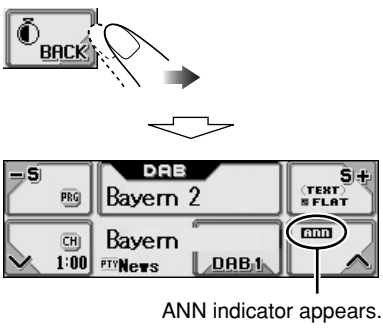
1



2 **Select "ANN On."**



3 **Exit from the setting.**



- If the ANN indicator lights up, Announcement Standby Reception is activated.
- If the ANN indicator flashes, Announcement Standby Reception is not yet activated.
  To activate, tune in to another service providing these signals. The ANN indicator will stop flashing and remain lit.

To be continued....

To deactivate the Announcement Standby Reception

Select “ANN Off” in step **2** on page 43.
The ANN indicator goes off.

PTY Standby Reception

PTY Standby Reception allows the unit to switch temporarily to your favorite PTY programme from any source other than AM.

- Operations are exactly the same as explained on page 14 for FM RDS stations.
- PTY Standby Reception for DAB tuner works only using a dynamic PTY code.
- You can activate and deactivate PTY Standby Reception when the source is either “FM” or “DAB.”

Tracing the same programme—Alternative Reception

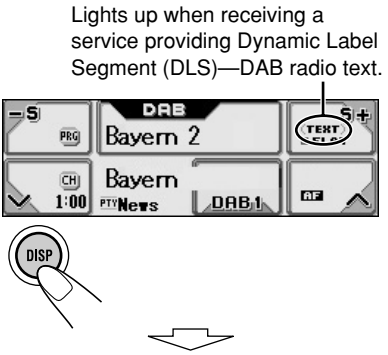
You can keep listening to the same programme by activating the Alternative Reception.

- **While receiving a DAB service:**
  When driving in an area where a DAB service cannot be received, this receiver automatically tunes in to another ensemble or FM RDS station, broadcasting the same programme.
- **While receiving an FM RDS station:**
  When driving in an area where a DAB service is broadcasting the same programme as the FM RDS station is broadcasting, this receiver automatically tunes in to the DAB service.

When shipped from the factory, Alternative Reception is activated.
To deactivate the Alternative Reception, see “AF-Regn’l” on page 33.

To show the Dynamic Label Segment (DLS) information

While listening to an ensemble that supports DLS....



DLS screen is shown.

Maintenance

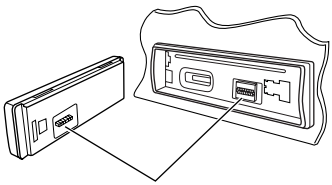
How to clean the touch panel

When removing stains or dust on the surface, turn off the power, then wipe with dry soft cloth.

- Be careful not to scratch the surface when wiping it.
- Do not use the following materials to clean the touch panel:
  - Wet cloth
  - Volatile substance such as benzine and thinner
  - Acid detergent, alkaline detergent, and detergent composed of organic substance
- When using chemically processed duster, read its precautions carefully.

How to clean the connectors

Frequent detachment will deteriorate the connectors.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connector

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the CD player may malfunction. In this case, eject the disc and leave the receiver turned on for a few hours until the moisture evaporates.

How to handle discs/SD cards

When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

- Always hold the disc by the edges. Do not touch its recording surface.

When storing a disc into its case, gently insert the disc around the center holder (with the printed surface facing up).

- Make sure to store discs into the cases after use.

SD cards are precision products. DO NOT impact, bend, drop, or wet them.

To keep discs clean

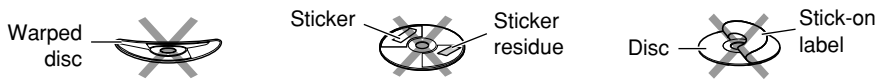
A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.

- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this receiver may reject the disc.
To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:



More about this receiver

Basic operations

General

- The clock in the "BACK" icon on the screen works as the time countdown indicator. If no operation is done for a certain period of time, the current screen goes off, and the source operation screen resumes.

Selecting the source

- When no disc or SD card is loaded in the receiver, "CD" or "SD" cannot be selected.
- Without connecting to the CD changer or DAB tuner, "CD-CH" or "DAB" cannot be selected.
- To select the "EXT-IN" for the playback source, set the "Ext Input" setting correctly (see page 34).

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Tuner operations

Storing stations in memory

- During SSM search...
  - All previously stored stations are erased and stations are stored newly.
  - Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  - When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

FM RDS operations

- Network-Tracking Reception requires two types of RDS signals—PI (Programme Identification) and AF (Alternative Frequency) to work correctly. Without receiving these data correctly, Network-Tracking Reception will not operate.
- If a DAB tuner is connected and Alternative Reception for DAB services (DAB AF) is activated, Network-Tracking Reception (AF-Regn'l) is also activated automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Reception. (See page 33.)
- TA Standby Reception and PTY Standby Reception will be temporarily canceled while listening to an AM station.
- Message service requires the RDS Radiotext signal. It is available on most major stations. If reception is weak, the service may become unavailable. For any questions regarding the content of this service, please contact your broadcaster.
- If you want to know more about RDS, visit <http://www.rds.org.uk>.

Disc/SD card operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This receiver has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA format and MP3/WMA files recorded in a SD card.
- When a disc or SD card has been loaded, selecting "CD" or "SD" for the playback source starts playback.

- When a track or folder whose number is greater than 99 is selected, the icon before the number (, , ,) goes off (to show its assigned 3-digits number).

Inserting a disc

- When a disc is inserted upside down, the control panel moves down, and the disc automatically ejects from the loading slot.
- If you keep the control panel open for about 1 minute, the control panel returns to its previous position.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a disc/SD card

- While playing an audio CD: If a title has been assigned to the audio CD (see page 37), it will be shown on the display.
- While fast-forwarding or reversing an MP3 or WMA track, you can only hear intermittent sounds.
- While playing a SD card, the playback order may differ from other SD players.
- This receiver may be unable to play back some SD card due to their characteristics or recording conditions.
- This receiver cannot play back mini SD card and MMC.
- If the inserted SD card does not have the correct files, "SD" is skipped.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This receiver can play back only the files of the same type which is first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this receiver because of their disc characteristics, and for the following causes:
  – Discs are dirty or scratched.
  – Moisture condensation occurs on the lens inside the receiver.
  – The pickup lens inside the receiver is dirty.
  – CD-R/CD-RW on which the files are written with "Packet Write" method.
  – Improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
  – Discs with stickers, labels, or protective seal stuck to the surface.
  – Discs on which labels can be directly printed by an ink jet printer.

  Using these discs under high temperatures or high humidities may cause malfunctions or damages to discs.

Playing an MP3/WMA track

- This receiver can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This receiver can show the names of albums, artists (performer), and ID3 Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This receiver can display only one-byte characters. No other characters can be correctly displayed (see page 37).
- This receiver can play back MP3/WMA files meeting the conditions below:
  – Bit rate: 8 kbps — 320 kbps
  – Sampling frequency:
    48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
    24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
    48 kHz, 44.1 kHz, 32 kHz (for WMA)
  – Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name

To be continued....

- For MP3/WMA discs:
  The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
  – ISO 9660 Level 1: up to 12 characters
  – ISO 9660 Level 2: up to 31 characters
  – Romeo*: up to 128 (72) characters
  – Joliet*: up to 64 (36) characters
  – Windows long file name*: up to 128 (72) characters
  * *The parenthetic figure is the maximum number of characters for file/folder names in case the total number of files and folders is 313 or more.*
- For SD cards:
  The maximum number of characters for folder name is 8 characters; file name is 12 characters.
  The receiver cannot recognize folder with period (.) on the folder name.
- This receiver can recognize the total of 512 files, of 200 folders, and of 8 hierarchies of an MP3/WMA disc; 255 files and 63 folders of an SD card.
- This receiver can play back the files recorded in VBR (variable bit rate).
  The files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.
- This receiver cannot play back the following files:
  – MP3 files encoded with MP3i and MP3 PRO format.
  – MP3 files encoded in an unappropriated format.
  – MP3 files encoded with Layer 1/2.
  – WMA files encoded with lossless, professional, and voice format.
  – WMA files which are not based upon Windows Media® Audio.
  – WMA files copy-protected with DRM.
  – Files which have the data such as WAVE, ATRAC3, etc.
- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
  Next time you select “CD,” “SD,” or “CD-CH” for the playback source, disc play starts from where it has been stopped previously.

ImageLink

- ImageLink will not work in the following cases:
  – If no <jll> file is included in an MP3/WMA folder.
  – If Intro Scan is activated.
  – If the source is changed to another from “CD” or “SD.”
  – If more than one <jll> file are included in a folder, a file with the youngest file number is used for the graphic screen.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to prevent it from dust. (Disc will not play this time.)

Sound adjustment

General

- Sound adjustments cannot affect the Voice Support System (VSS: see page 34) output. VSS sound always comes out of all speakers connected.
- If you are using a two-speaker system, set the fader level to “0.”
- Subwoofer out setting takes effect only when a subwoofer is connected.
- You cannot change the input level—Volume Adjustment—of the FM stations. If the source is FM, “Fix” will appear when you try to adjust it.

Storing your own sound modes

- If you do not want to store your current adjustment, but only to apply the adjustment to the current playback source, press "BACK" repeatedly to go back to the operation screen of the current source. Adjustment you made remains effective until you select a sound mode.

Graphic displays

Downloading (or deleting) files

- You can download a file only while selecting "CD" or "SD" for the playback source; on the other hand, you can delete a file while selecting any source.
- If you have already downloaded an animation for "OPENING," "ENDING," or "MOVIE," downloading a new animation deletes the previously stored animation.
- It takes a long time to download an animation.
  – About 3 to 4 seconds for a still image (one frame).
  – About 1 to 2 minutes for an animation of 30 frames.
  – About 4 minutes for an animation of 90 frames.
- If a disc inserted does not include any <jll> and <jla> files, beeps sound when you try to operate the downloading procedure.
- If you try to store a 31st image for picture screen, "Picture Full" appears and you cannot start downloading. Delete unwanted files before downloading.
- If the total frame number of an animation downloaded exceeds the following number, the frames exceeding that numbers are ignored.
  – For "OPENING" and "ENDING": 30
  – For "MOVIE": 90

General settings—PSM

- "Auto Dimmer" may not work correctly on some vehicles, particularly on those having a control dial for dimming. In this case, change the "Dimmer" setting to any one other than "Auto."
- If "LCD Type" is set to "Auto," the display pattern will change to the "Positive" or "Negative" pattern depending on the "Dimmer" setting.
- If you change the "Amp Gain" setting from "High PWR" to "Low PWR" while the volume level is set higher than "Volume 30," the receiver automatically changes the volume level to "Volume 30."

Other main functions

Assigning titles to the sources

- If you try to assign a title to a 31st disc, "Name Full" appears and you cannot enter the text entry mode. Delete unwanted titles before assignment.
- Titles assigned to discs in the CD changer can also be shown if you playback the disc from the receiver.

DAB tuner operations

- PTY Standby Reception works for the DAB tuner only using a Dynamic PTY, but not a Static PTY.
- TA Standby Reception for FM RDS station and Road Traffic News Standby Reception for DAB cannot be set separately. The T/P button always work for the both Standby Reception modes when the DAB tuner is connected.

Troubleshooting

ENGLISH

What appears to be trouble is not always serious. Check the following points before calling a service center.

	Symptoms	Causes	Remedies
General	• Screens suddenly goes off.	There is a time limit for some operations.	Finish the operation within the time limit.
	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	• The receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).
	• "Connect Error" appears on the display.	The control panel is not attached correctly.	Remove the control panel, wipe the connector, then attach it again (see page 45).
	• "Push Reset" appears on the display and the control panel movement is freezed.	Something is blocking the control panel movement.	Reset the receiver (see page 2). If this does not work, check the installation.
FM/AM	• SSM automatic presetting does not work.	Signals are too weak.	Store stations manually.
	• Static noise while listening to the radio.	The aerial is not connected firmly.	Connect the aerial firmly.
	• "No Text" appears on the display.	The station does not support RDS RT or the reception is weak.	Check the Network-Tracking Reception (see page 14).
	• "Loading" does not disappear.	The receiving signal is temporarily too weak to receive a complete message although the service is available.	Check the Network-Tracking Reception (see page 14).
Disc playback	• The receiver needs some time to start playback the audio CD.	The built-in shock-proof circuit is working.	———
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	CD-R/CD-RW is not finalized.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc cannot be ejected.	Disc is locked.	Unlock the disc (see page 20).
	• Disc cannot be recognized ("No Disc," "Loading Error," or "Eject Error" flashes).	The CD player may have functioned incorrectly.	Eject the disc forcibly (see page 2).

	Symptoms	Causes	Remedies
Disc playback	• Disc sound is sometimes interrupted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check the cords and connections.
MP3/WMA disc/SD card playback	• “No Files” appears on the display for a while.	No MP3/WMA tracks are recorded.	Change the disc or the SD card.
		MP3/WMA tracks do not have the extension code <.mp3> or <.wma> in their file names.	Add the extension code <.mp3> or <.wma> to their file names.
		MP3/WMA tracks are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc or the SD card. (Record MP3/WMA tracks using a compliant application.)
	• Noise is generated.	The track played back is not an MP3/WMA track (although it has the extension code <.mp3> or <.wma>).	Skip to another track or change the disc or the SD card. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded.	———
	• “Not Support” appears on the display and track skips.	• Tracks are not encoded in an appropriate format. • Copy-protected WMA tracks cannot be played back.	Skip to the next track.
	• “No Music” appears on the display.	• No MP3/WMA tracks are recorded on the disc. • Only <jll> and/or <jla> files are recorded on the disc.	Change the disc or the SD card.
	• “SD Loading Error” appears on the display.	SD card is not inserted correctly.	Detach the control panel and reinsert the SD card. The control panel goes back to ANGLE 1. (See pages 18 and 38.)
	• “Read Failed” appears on the display.	Tracks are not encoded in an appropriate format.	Use SD card formatted in FAT 12/16.
		The SD card or tracks cannot be played back.	Change the SD card.

To be continued....

	Symptoms	Causes	Remedies
Graphics	• Download does not seem to finish.	It takes quite a long time to download an animation of many frames (see page 49).	———
	• Opening and ending animation does not appear.	"KeyIn CFM" is set to "Off."	Select "On" (see page 31).
	• Animation does not move.	Temperature inside the car is below 0°C—LowTEMP appears on the display.	Wait until the operating temperature resumes.
	• The entire animation has not been downloaded.	"OPENING" and "ENDING" can only memorize 30 frames of the animation even it includes 90 frames.	———
Preferred setting modes—PSM	• "MOVIE" category settings do not take effect.	Temperature inside the car is below 0°C—LowTEMP appears on the display.	Wait until the operating temperature resumes.
	• You cannot select an image for "UserPict." ("---------" appears for the file name on the lower part of the display).	No files are downloaded yet.	Select an image only after downloading the appropriate files in memory.
CD changer	• "No Magazine" flashes on the display.	No magazine is loaded in the CD changer.	Insert the magazine.
	• "No Disc" flashes on the display.	Disc is inserted upside down.	Insert disc correctly.
		No disc is in the magazine.	Insert disc into the magazine.
	• "Reset 08" flashes on the display.	This receiver is not connected to the CD changer correctly.	Connect this receiver and the CD changer correctly and press the reset button of the CD changer.
	• "Reset 01" – "Reset 07" flashes on the display.	The CD player may have functioned incorrectly.	Press the reset button of the CD changer.
	• The CD changer does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver (see page 2).

Specifications

AUDIO AMPLIFIER SECTION

Maximum Power Output:
Front: 52 W per channel
Rear: 52 W per channel
Continuous Power Output (RMS):
Front: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Rear: 19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.
Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Equalizer Control Range:
Frequencies: 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 12 kHz
Level: ±10 dB
Frequency Response: 40 Hz to 20 000 Hz
Signal-to-Noise Ratio: 70 dB
Line-Out Level/Impedance:
5.0 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ
Subwoofer-Out Level/Impedance:
5.0 V/20 kΩ load (full scale)
Other Terminals: LINE IN, CD changer, Steering wheel remote input

TUNER SECTION

Frequency Range:
FM: 87.5 MHz to 108.0 MHz
AM: (MW) 522 kHz to 1 620 kHz
(LW) 144 kHz to 279 kHz

[FM Tuner]
Usable Sensitivity: 11.3 dBf (1.0 µV/75 Ω)
50 dB Quieting Sensitivity:
16.3 dBf (1.8 µV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 30 dB
Capture Ratio: 1.5 dB

[MW Tuner]
Sensitivity: 20 µV
Selectivity: 65 dB

[LW Tuner]
Sensitivity: 50 µV

CD/SD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical pickup (semiconductor laser)
Number of Channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 98 dB
Signal-to-Noise Ratio: 102 dB
Wow and Flutter: Less than measurable limit
MP3 (MPEG Audio Layer 3):
Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio):
Max. Bit Rate: 192 kbps
Playable SD Card: Format: Fat 12/16
Storage: Up to 512 MB
Playable Audio Format for SD Card:
MP3/WMA

GENERAL

Power Requirement:
Operating Voltage:
DC 14.4 V (11 V to 16 V allowance)
Grounding System: Negative ground
Allowable Operating Temperature:
0°C to +40°C
Dimensions (W × H × D):
Installation Size (approx.):
182 mm × 52 mm × 159 mm
Panel Size (approx.):
188 mm × 58 mm × 13 mm
Mass (approx.): 1.9 kg (excluding accessories)

Design and specifications are subject to change without notice.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- SD logo is a trademark.

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

Затруднения при эксплуатации?

Пожалуйста, перезагрузите Ваше устройство

Для получения информации о перезагрузке Вашего устройства обратитесь на соответствующую страницу

JVC

EN, RU

© 2005 Victor Company of Japan, Limited

0105DTSMDTJEIN

KD-LHX557

Installation/Connection Manual
Руководство по установке/подключению

GET0285-002A
[EE]

0105DTSMDTJEIN
EN, RU

ENGLISH

This receiver is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC IN-CAR ENTERTAINMENT dealers.

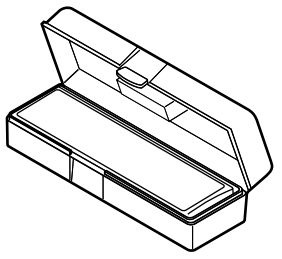
РУССКИЙ

Это устройство разработано для эксплуатации на **12 В постоянного напряжения с минусом на массе**. Если Ваш автомобиль не имеет этой системы, требуется инвертор напряжения, который может быть приобретен у дилера автомобилнего специалиста JVC.

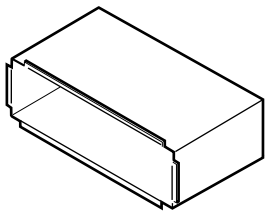
Parts list for installation and connection

The following parts are provided for this receiver.
After checking them, please set them correctly.

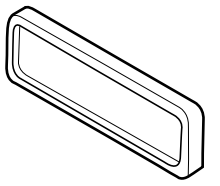
Ⓐ / Ⓑ
Hard case/Control panel



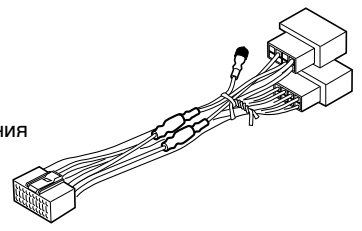
Ⓒ
Sleeve



Ⓓ
Trim plate



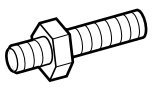
Ⓔ
Power cord



Ⓕ
Washer (ø5)

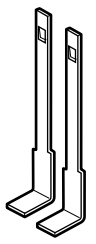
Ⓖ
Lock nut (M5)

Ⓗ
Mounting bolt (M5 x 20 mm)

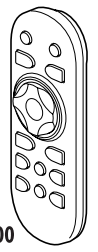


Ⓘ
Rubber cushion

Ⓙ
Handles



Ⓚ
Remote controller



RM-RK300

Ⓛ
Battery

CR2025

Ⓜ
CD-ROM
(Image Converter: Wide Ver 1.2)
CD-ROM
(Image Converter: Wide Ver 1.2)

INSTALLATION (IN-DASH MOUNTING)

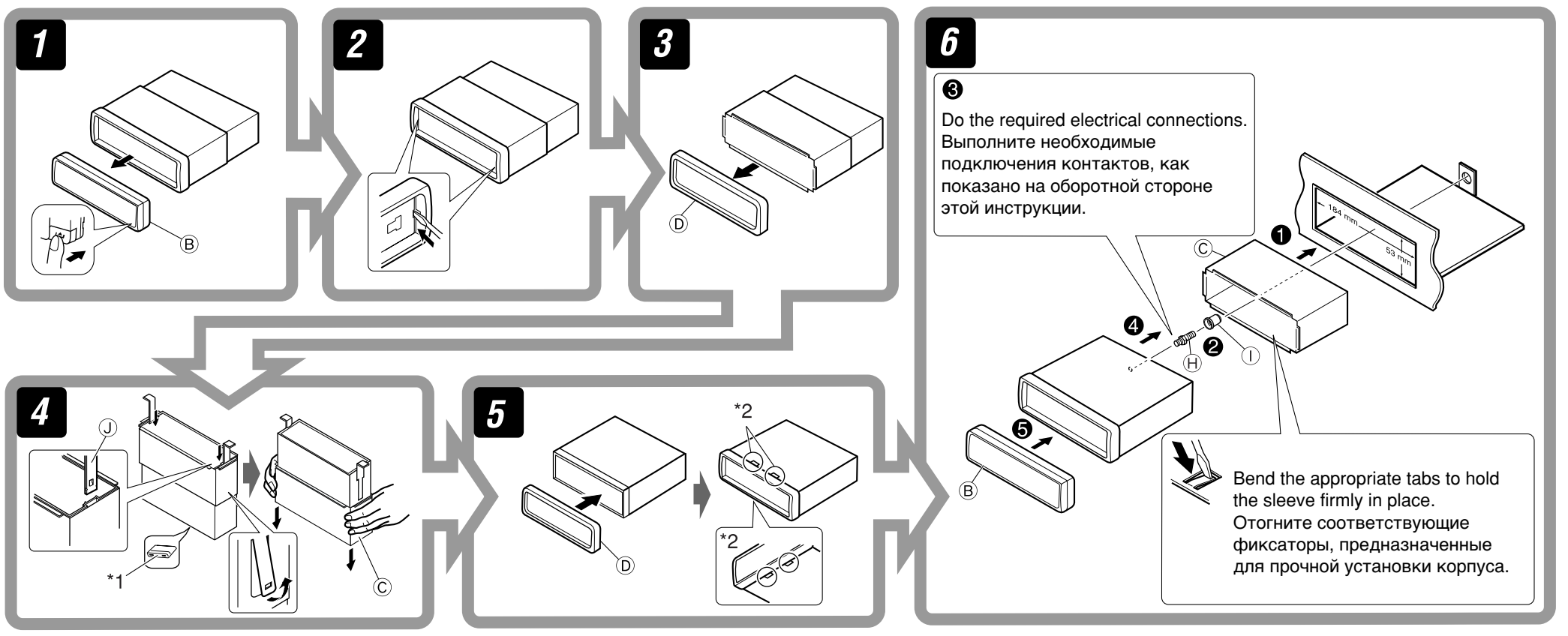
The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC IN-CAR ENTERTAINMENT dealer or a company supplying kits.

- If you are not sure how to install this receiver correctly, have it installed by a qualified technician.

УСТАНОВКА (УСТАНОВКА В ПРИБОРНУЮ ПАНЕЛЬ)

На следующих иллюстрациях показана типовая установка. Если у Вас есть какие-либо вопросы, касающиеся установки, обратитесь к Вашему дилеру автомобилнего специалиста JVC или в компанию, поставляющую соответствующие принадлежности.

- Если Вы не знаете точно, как следует устанавливать это устройство, обратитесь к квалифицированному специалисту.



*1 When you stand the receiver, be careful not to damage the fuse on the rear.
*1 Устанавливайте устройство таким образом, чтобы не повредить предохранитель, расположенный сзади.

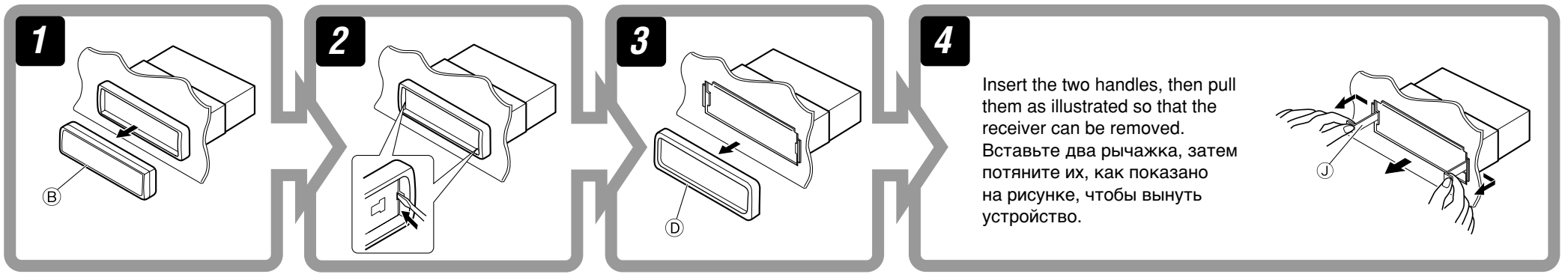
*2 Fit the protrusions outside the receiver.
*2 Выступы должны находиться с внешней стороны приемника.

Removing the receiver

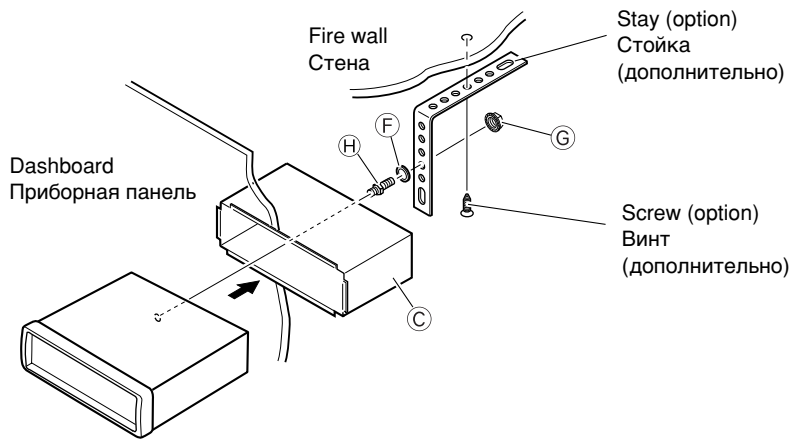
Before removing the receiver, release the rear section.

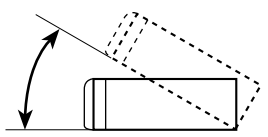
Удаление устройства

Перед удалением устройства освободите заднюю часть.


1
2
3
4
B
D
J
Insert the two handles, then pull them as illustrated so that the receiver can be removed.
Вставьте два рычажка, затем потяните их, как показано на рисунке, чтобы вынуть устройство.

When using the optional stay / При использовании дополнительной стойки



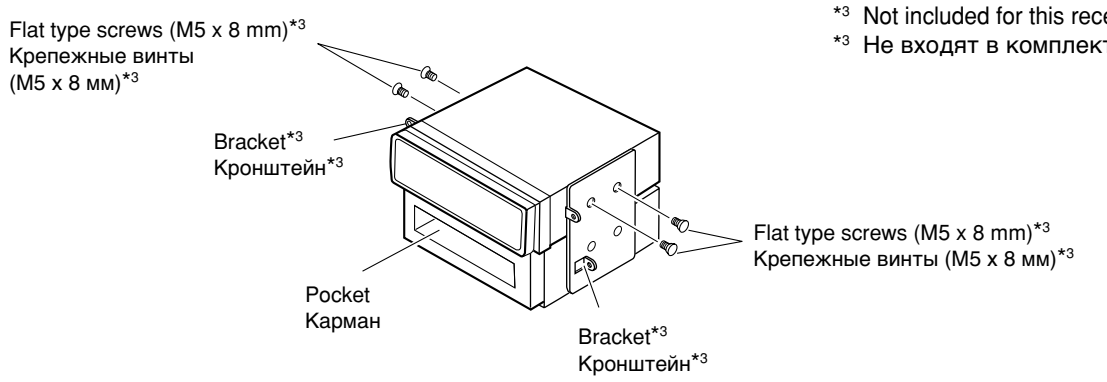


Install the receiver at an angle of less than 30˚.
Установите устройство под углом менее 30°.

When installing the receiver without using the sleeve / При установке устройства без использования муфты

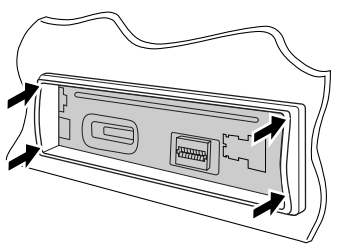
In a Toyota for example, first remove the car radio and install the receiver in its place.
В автомобилях “Toyota”, например, сначала удалите автомобильную магнитолу, затем установите на ее место это устройство.

*3 Not included for this receiver.
*3 Не входят в комплект.



Note : When installing the receiver on the mounting bracket, make sure to use the 8 mm-long screws. If longer screws are used, they could damage the receiver.
Примечание : При установке устройства на крепежный кронштейн, используйте только винты длиной 8 мм. При использовании более длинных винтов можно повредить устройство.

Caution when installing / Предостережение во время установки:

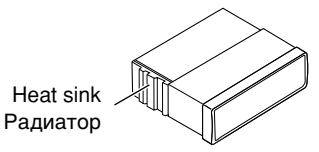


Fit the receiver into the mounting sleeve by using four corners of the trim plate.
• DO NOT press the panel (shaded in the illustration).
Поместите приемник в монтажную панель, используя четыре угла лицевой панели.
• НЕ нажимайте на панель (затемнена на рисунке).

ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the receiver.
• **Be sure to ground this receiver to the car's chassis again after installation.**

Notes:
• Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC IN-CAR ENTERTAINMENT dealer.
• It is recommended to connect to the speakers with maximum power of more than 52 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 52 W, change "Amp Gain" setting to prevent the speakers from being damaged (see page 34 of the INSTRUCTIONS).
• To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
• The heat sink becomes very hot after use. Be careful not to touch it when removing this receiver.



ЭЛЕКТРИЧЕСКИЕ ПОДКЛЮЧЕНИЯ

Для предотвращения коротких замыканий мы рекомендуем Вам отсоединить отрицательный разъем аккумулятора и осуществить все подключения перед установкой устройства.
• **После установки обязательно заземлите данное устройство на шасси автомобиля.**

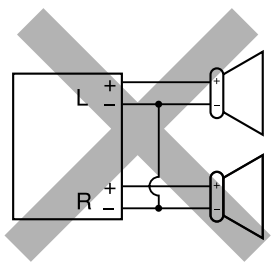
Примечания:
• Заменяйте предохранитель другим предохранителем указанного класса. Если предохранитель сгорает слишком часто, обратитесь к дилеру автомобилнего специалиста JVC.
• Рекомендуется подключать динамики с максимальной мощностью более 52 Вт (к задней и передней панели устройства, с полным сопротивлением от **4 Ω до 8 Ω**). Если максимальная мощность менее 52 Вт, измените значение параметра "Amp Gain", чтобы предотвратить повреждение динамиков (см. стр. 34 ИНСТРУКЦИЙ).
• Для предотвращения короткого замыкания заклейте НЕИСПОЛЬЗУЕМЫЕ концы изолирующей лентой.
• Радиатор во время использования сильно нагревается. Старайтесь его не трогать во время удаления устройства.

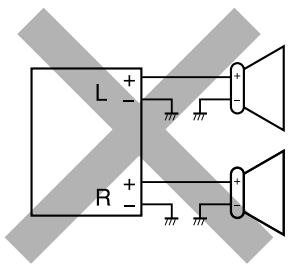
PRECAUTIONS on power supply and speaker connections:

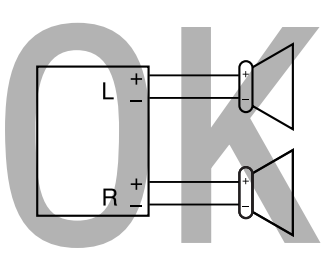
• **DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the receiver will be seriously damaged.**
• BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

ПРЕДОСТЕРЕЖЕНИЯ по питанию и подключению громкоговорителей:

• **НЕ подключайте провода громкоговорителей к аккумулятору автомобиля, иначе устройство будет повреждено.**
• ПЕРЕД подключением проводов громкоговорителей к кабелю питания громкоговорителя проверьте схему соединений громкоговорителей в Вашем автомобиле.







TROUBLESHOOTING

• **The fuse blows.**
* Are the red and black leads connected correctly?

• **Power cannot be turned on.**
* Is the yellow lead connected?

• **No sound from the speakers.**
* Is the speaker output lead short-circuited?

• **Sound is distorted.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

• **Noise interfere with sounds.**
* Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?

• **Receiver becomes hot.**
* Is the speaker output lead grounded?
* Are the "–" terminals of L and R speakers grounded in common?

• **This receiver does not work at all.**
* Have you reset your receiver?

ВЫЯВЛЕНИЕ НЕИСПРАВНОСТЕЙ

• **Сработал предохранитель.**
* Правильно ли подключены черный и красный провода?

• **Питание не включается.**
* Подключен ли желтый провод?

• **Звук не выводится через громкоговорители.**
* Нет ли короткого замыкания на кабеле выхода громкоговорителей?

• **Звук искажен.**
* Заземлен ли провод выхода громкоговорителей?
* Заземлены ли разъемы "–" правого (R) и левого (L) громкоговорителей?

• **Шум мешает звучанию.**
* Соединен ли находящийся сзади зажим заземления с шасси автомобиля с помощью более короткого и тонкого шнуров?

• **Устройство нагревается.**
* Заземлен ли провод выхода громкоговорителей?
* Заземлены ли разъемы "–" правого (R) и левого (L) громкоговорителей?

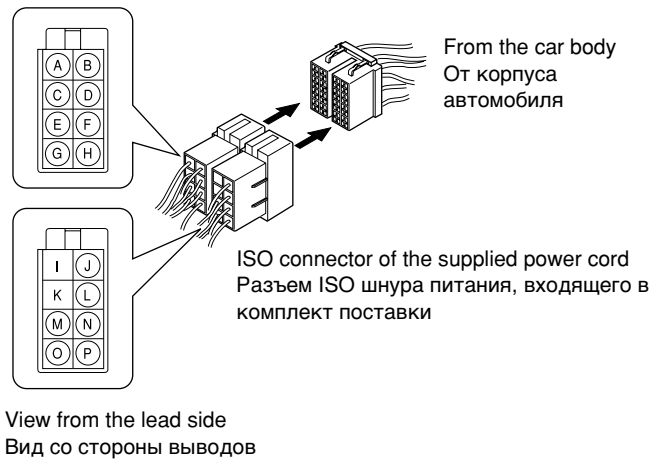
• **Приемник не работает.**
* Выполнена ли перенастройка приемника?

ENGLISH

РУССКИЙ

A If your car is equipped with the ISO connector / Если автомобиль оснащен разъемом ISO

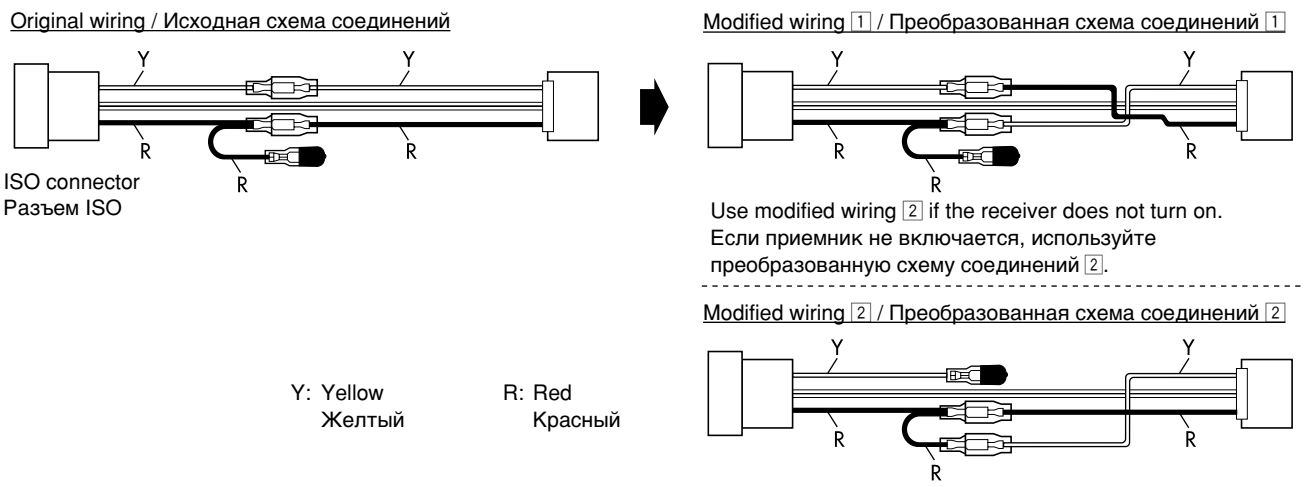
- Connect the ISO connectors as illustrated.
- Подключите разъемы ISO, как показано на рисунке.



For some VW/Audi or Opel (Vauxhall) automobile / Для некоторых автомобилей VW/Audi или Opel (Vauxhall)

You may need to modify the wiring of the supplied power cord as illustrated.
- Contact your authorized car dealer before installing this receiver.

Возможно, потребуется изменить схему соединений для прилагаемого шнура питания, как показано на рисунке.
- Перед установкой приемника обратитесь к авторизованному агенту по продажам автомобильных систем.


Original wiring / Исходная схема соединений
Y
R
ISO connector
Разъем ISO
Modified wiring 1 / Преобразованная схема соединений 1
Use modified wiring 2 if the receiver does not turn on.
Если приемник не включается, используйте преобразованную схему соединений 2.
Modified wiring 2 / Преобразованная схема соединений 2
Y: Yellow Желтый
R: Red Красный

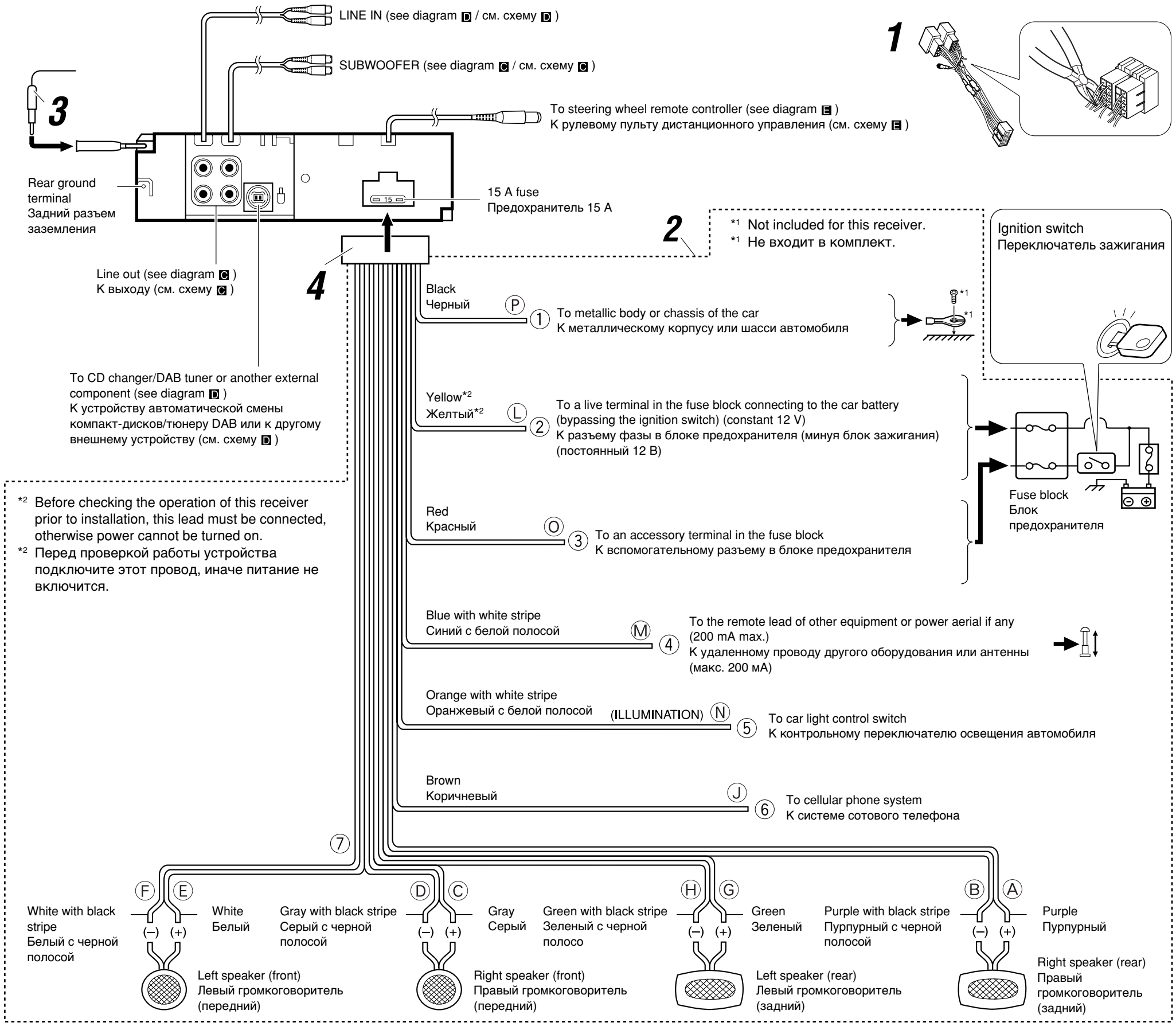
B Connections without using the ISO connectors / Подключение без использования разъемов ISO

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this receiver.
The leads of the power cord and those of the connector from the car body may be different in color.

1 Cut the ISO connector.
2 Connect the colored leads of the power cord in the order specified in the illustration below.
3 Connect the aerial cord.
4 Finally connect the wiring harness to the receiver.

Перед началом подключений: Тщательно проверьте проводку в автомобиле. Неправильное подключение может привести к серьезному повреждению устройства. Жилы силового кабеля и жилы соединителя от кузова автомобиля могут быть разного цвета.

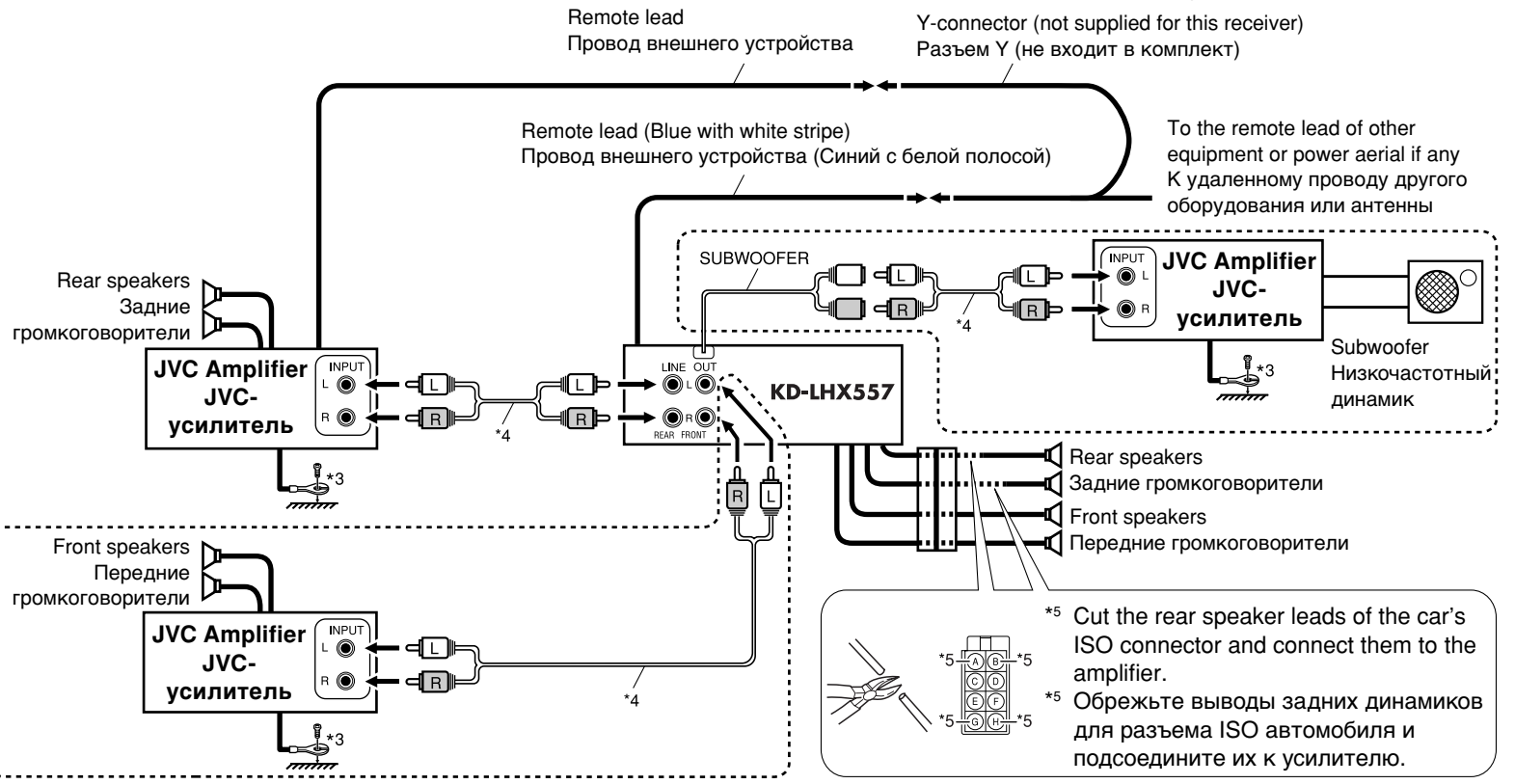
1 Обрежьте разъем ISO.
2 Подсоедините цветные провода шнура питания в указанном ниже порядке.
3 Подключите кабель антенны.
4 В последнюю очередь подключите электропроводку к устройству.


LINE IN (see diagram D / см. схему D)
SUBWOOFER (see diagram C / см. схему C)
To steering wheel remote controller (see diagram E)
К рулевому пульту дистанционного управления (см. схему E)
1
3
Rear ground terminal
Задний разъем заземления
15 A fuse
Предохранитель 15 А
2
*1 Not included for this receiver.
*1 Не входит в комплект.
Ignition switch
Переключатель зажигания
4
Line out (see diagram C)
К выходу (см. схему C)
To CD changer/DAB tuner or another external component (see diagram D)
К устройству автоматической смены компакт-дисков/тюнеру DAB или к другому внешнему устройству (см. схему D)
Black Черный P 1
To metallic body or chassis of the car
К металлическому корпусу или шасси автомобиля
Yellow*2 Желтый*2 L 2
To a live terminal in the fuse block connecting to the car battery (bypassing the ignition switch) (constant 12 V)
К разъему фазы в блоке предохранителя (минуя блок зажигания) (постоянный 12 В)
Fuse block
Блок предохранителя
Red Красный O 3
To an accessory terminal in the fuse block
К вспомогательному разъему в блоке предохранителя
Blue with white stripe Синий с белой полосой M 4
To the remote lead of other equipment or power aerial if any (200 mA max.)
К удаленному проводу другого оборудования или антенны (макс. 200 мА)
Orange with white stripe Оранжевый с белой полосой (ILLUMINATION) N 5
To car light control switch
К контрольному переключателю освещения автомобиля
Brown Коричневый J 6
To cellular phone system
К системе сотового телефона
7
F E D C H G B A
(–) (+)
White with black stripe Белый с черной полосой
White Белый
Left speaker (front) Левый громкоговоритель (передний)
Gray with black stripe Серый с черной полосой
Gray Серый
Right speaker (front) Правый громкоговоритель (передний)
Green with black stripe Зеленый с черной полосо
Green Зеленый
Left speaker (rear) Левый громкоговоритель (задний)
Purple with black stripe Пурпурный с черной полосой
Purple Пурпурный
Right speaker (rear) Правый громкоговоритель (задний)
*2 Before checking the operation of this receiver prior to installation, this lead must be connected, otherwise power cannot be turned on.
*2 Перед проверкой работы устройства подключите этот провод, иначе питание не включится.

C Connecting the external amplifiers / Подключение внешних усилителей

You can connect amplifiers to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this receiver.
- **For amplifier only:**
  - **Disconnect the speakers from this receiver, connect them to the amplifier. Leave the speaker leads of this receiver unused.**
  - You can switch off the built-in amplifier and send the audio signals only to the external amplifier(s) to get clear sounds and to prevent internal heat built-up inside the receiver (see page 34 of the INSTRUCTIONS).
  - The line output level of this receiver is kept high to maintain the hi-fi sounds reproduced from this receiver.
    When connecting an external amplifier to this receiver, turn down the gain control on the external amplifier to obtain the best performance from this receiver.

Можно подключить усилители для обновления автомобильной стереосистемы.
- Подсоедините провод внешнего устройства (синий с белой полосой) к проводу внешнего устройства другого оборудования так, чтобы им можно было управлять с этого устройства.
- **Только для усилителя:**
  - **Отсоедините громкоговорители от данного устройства, подключите их к усилителю. Оставьте провода громкоговорителей данного устройства неиспользованными.**
  - Для получения более чистого звука и предотвращения внутреннего перегрева приемника можно отключить встроенный усилитель и использовать для усиления аудиосигнала только внешние усилители (см. стр. 34 ИНСТРУКЦИЙ).
  - Уровень выходного сигнала линии данного устройства поддерживается высоким, чтобы обеспечить высококачественный звук, воспроизводимый данным устройством.
    При подключении внешнего усилителя к данному устройству убавьте регулировку усиления на внешнем усилителе, чтобы обеспечить оптимальные характеристики работы данного устройства.


Remote lead
Провод внешнего устройства
Y-connector (not supplied for this receiver)
Разъем Y (не входит в комплект)
Remote lead (Blue with white stripe)
Провод внешнего устройства (Синий с белой полосой)
To the remote lead of other equipment or power aerial if any
К удаленному проводу другого оборудования или антенны
SUBWOOFER
JVC Amplifier
JVC-усилитель
INPUT
Rear speakers
Задние громкоговорители
KD-LHX557
LINE OUT
REAR FRONT
Subwoofer
Низкочастотный динамик
Front speakers
Передние громкоговорители
*3
*4
*5
*5 Cut the rear speaker leads of the car's ISO connector and connect them to the amplifier.
*5 Обрежьте выводы задних динамиков для разъема ISO автомобиля и подсоедините их к усилителю.

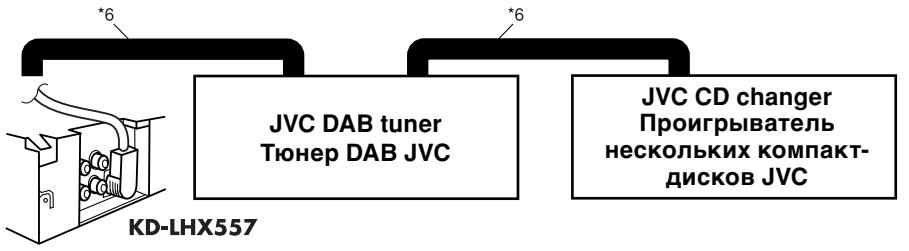
*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place not coated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the receiver.
*3 Плотно прикрепите заземляющий провод к металлическому кузову или шасси автомобиля—в месте, не покрытом краской (если оно покрыто краской, удалите краску перед тем, как прикреплять провод). Невыполнение этого требования может привести к повреждению данного устройства.

*4 Signal cord (not supplied for this receiver)
*4 Кабель сигнала (не входит в комплект)

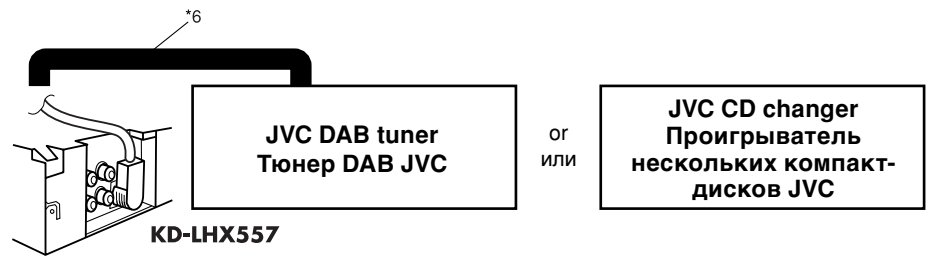
D Connecting the external components / Подключение внешних устройств

CD changer and DAB tuner / Проигрыватель нескольких компакт-дисков и тюнер DAB

- You can connect both components in series as illustrated below.
- Внешние устройства можно подключать параллельно, как показано на рисунке.



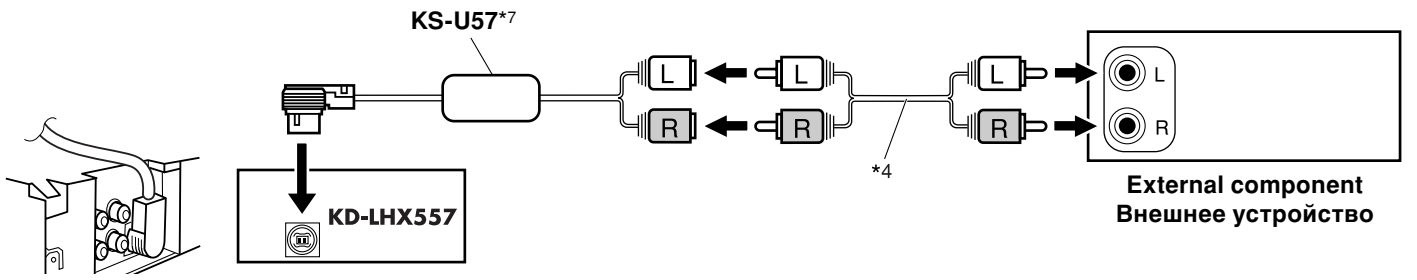
CAUTION / ПРЕДОСТЕРЕЖЕНИЕ:
- Before connecting the CD changer and/or DAB tuner, make sure that the receiver is turned off.
- Перед подключением устройства автоматической смены компакт-дисков и/или тюнера DAB убедитесь в том, что приемник отключен.



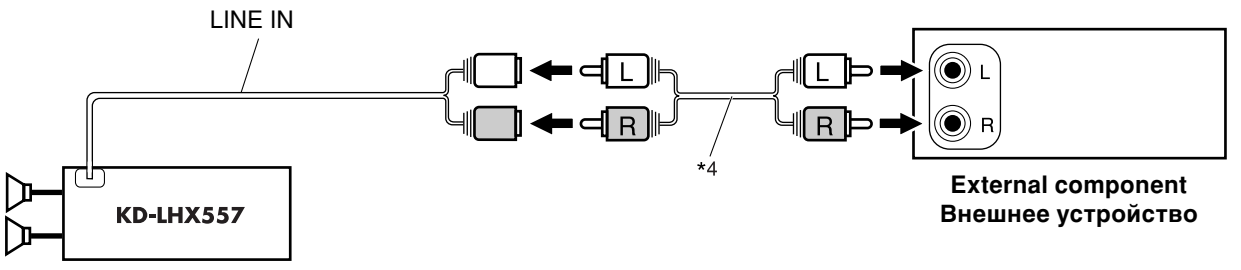
*6 Connecting cord supplied for your CD changer or DAB tuner
*6 Подключение кабеля, входящего в комплект поставки устройства автоматической смены компакт-дисков или тюнера DAB

External Component / Внешнее устройство

- **Set "Ext In" for the external input setting (see page 34 of the INSTRUCTIONS). / Установите для внешнего входа значение "Ext In" (см. стр. 34 ИНСТРУКЦИЙ).**

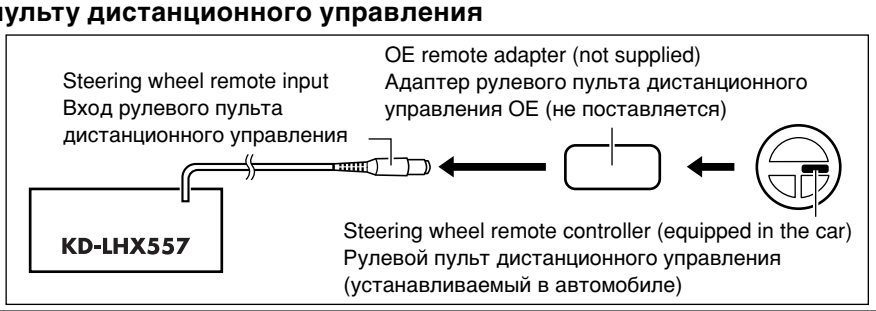


*7 Line Input Adapter KS-U57 (not supplied for this receiver)
*7 Коммуникационный адаптер KS-U57 (не входит в комплект поставки)



E Connecting to the steering wheel remote controller / Подключение к рулевому пульту дистанционного управления

If your car is equipped with the steering wheel remote controller, you can operate this receiver using the controller. To do it, a JVC's OE remote adapter (not supplied) which matches with your car is required. Consult your JVC IN-CAR ENTERTAINMENT dealer for details.
Если автомобиль оборудован рулевым пультом дистанционного управления, его можно использовать для управления данным устройством. Для этого необходим адаптер рулевого пульта дистанционного управления JVC OE (не поставляется), подходящий для Вашего автомобиля. За более подробной информацией обратитесь к поставщику автомобильных аудиосистем компании JVC.


Steering wheel remote input
Вход рулевого пульта дистанционного управления
OE remote adapter (not supplied)
Адаптер рулевого пульта дистанционного управления OE (не поставляется)
KD-LHX557
Steering wheel remote controller (equipped in the car)
Рулевой пульт дистанционного управления (устанавливаемый в автомобиле)